

# 2016 Virginia Toxics Release Inventory Report

## Summary of Data from 2016 Industry Reports



[www.deq.virginia.gov](http://www.deq.virginia.gov)

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### **Virginia Department of Environmental Quality Mission and Programs**

It is the mission of the Virginia Department of Environmental Quality (DEQ) to protect the environment of Virginia in order to promote the health and well-being of Virginians. To this end, DEQ implements numerous programs, as described on DEQ's website at <http://www.deq.virginia.gov/Programs.aspx>. These programs range from media specific programs on air quality, water quality, and waste management, to area programs (such as the Chesapeake Bay Program and the Virginia Coastal Zone Management Program), to more specific programs (such as Small Business Assistance and Citizen Monitoring). DEQ is committed to pollution prevention and elimination or reduction of waste at the source of generation. An example of a pollution prevention program is the Virginia Environmental Excellence Program, which encourages businesses and organizations to go beyond legal requirements and adopt environmental management systems. All sectors of government, Virginia businesses and industry, and Virginia's citizens have a role in managing and controlling the release of toxic chemicals in the Commonwealth.

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## **Executive Summary**

In March of each year, the Virginia Department of Environmental Quality (DEQ) publishes the Virginia Toxics Release Inventory (TRI) Report, pursuant to Virginia Code § 10.1-1186.1. The TRI program continues to fulfill its goal of providing chemical use, release, and waste management information to the public. The Virginia TRI Report contains information on the release or other management of listed chemicals and chemical categories, as reported by Virginia industries in specified industrial sectors and by federal facilities located within the Commonwealth. The facilities' reports are required by Title III of the federal Superfund Amendment and Reauthorization Act (SARA Title III), also known as the Emergency Planning and Community Right-to-Know Act (EPCRA). The Virginia TRI Report is a multi-media report, covering air, water, and waste management activities, and it addresses a variety of handling practices, including releases, recycling, energy recovery, and on-site and off-site treatment and disposal. The 2016 TRI data represents the 30<sup>th</sup> year of data collection from facilities for distribution to the public.

This year's Virginia TRI Report covers calendar year 2016, which is the most recent year of available data. The Virginia TRI Report includes all reports and revisions received by DEQ on or before January 5, 2018.

Between 2003 and 2016 there has been an overall decrease in the total amount of TRI reportable chemicals managed of over 44.7% as shown in the table in Appendix E.

For calendar year 2016, 434 Virginia facilities filed 1,345 individual reports on the release, transfer, or management of TRI chemicals or chemical categories. This was a 1.14 percent decrease in the number of facilities reporting (439 facilities) and a 1.03 percent decrease in the number of reports received (1,359 reports) for calendar year 2015. In 2016, Virginia facilities reported the release, transfer, or management of 153 chemicals and chemical categories, of the more than 650 chemicals and chemical categories which are subject to the TRI reporting requirements.

According to the reports, Virginia facilities reported the release, transfer, or on-site management of 909.07 million pounds of TRI chemicals during calendar year 2016 (a 5.88 percent increase from 2015). Of the total of TRI chemicals reported:

- 35.82 million pounds were released on-site (a 10.24 percent increase from 2015);
- 64.40 million pounds were transferred off-site for treatment, recycling, energy recovery, or disposal (a 1.61 percent decrease from 2015); and
- 808.84 million pounds were managed on-site by treatment, recycling, or energy recovery (a 6.34 percent increase from 2015).

TRI reports for reporting year 2016 show an increase in releases to water, air and land. Results from the most recent TRI data show the total amount of TRI chemicals as released:

- The total amount released to air for 2016 increased by 986,275 pounds (5.47 percent) compared to 2015.

- The total amount released to water for 2016 increased by 2.03 million pounds (17.61 percent) compared to 2015.
- The total amount released to land for 2016 increased by 310,127 pounds (10.55 percent) compared to 2015.

The Virginia TRI Report addresses separately those TRI chemicals the U.S. Environmental Protection Agency (EPA) has designated as Persistent Bio-accumulative Toxins (PBTs). These chemicals remain in the environment for long periods, are not readily destroyed, and build up or accumulate in body tissue. Risk to human health depends on the toxicity of the chemical; how it disperses, reacts, or persists in the environment; and the quantity, concentration, and type of human exposure. Chemical releases are managed by a variety of environmental permits.

According to the 2016 PBT reports:

- 190,961 pounds of PBT TRI chemicals were released on-site at reporting Virginia facilities (a 5.02 percent decrease from 2015);
- 747,944 pounds of PBT TRI chemicals were transferred off-site for treatment, recycling, energy recovery, or disposal (a 6.95 percent decrease from 2015); and
- 159,916 pounds of PBT TRI chemicals were managed on-site by treatment, recycling, or energy recovery (a 43.96 percent decrease from 2015).

Dioxins and dioxin-like compounds account for 31.63 grams (approximately 0.07 pounds) of the PBT chemicals released, transferred, or managed by Virginia facilities during calendar year 2016.

As required by statute, the Virginia TRI Report also provides information by industrial sector (identified by the North American Industry Classification System), facility, and facility location (jurisdiction). For calendar year 2016 three reporting industrial sectors accounted for 77.52 percent of the total on-site releases to the environment. The top three reporting industrial sectors were: Chemical Manufacturing, Utilities, and Paper Manufacturing. The text of the report provides additional information about the industrial sectors, facilities, and jurisdictions with the largest reported on-site release, on-site management, and other management of TRI chemicals.

The Virginia TRI Report provides the public with information concerning specified toxic chemicals and chemical compounds which are manufactured, processed, or otherwise used at Virginia facilities. Responsible use of the information can help the public and industry identify potential concerns and develop effective strategies for reducing toxic chemical usage and release. The TRI data does not, however, represent a measure of the public's exposure to chemicals, nor do they assess risk.

The overwhelming majority of the releases are regulated and permitted under other state and federal programs that are designed to protect human health and the environment. These programs include federal programs such as the Clean Air Act (CAA), Clean Water Act (CWA), and the Resource Conservation and Recovery Act (RCRA) and accompanying state laws such as the State Water Control Law, Air Pollution Control Board, and Virginia Waste Management Act. These programs include overall restrictions and standards established through permits or other applicable requirements.

Information on the permit programs can be found at the following web address:

<http://www.deq.virginia.gov/Permits.aspx>.

Because of differences in report generation schedules and receipt of reports, the information in the Virginia TRI Report will not precisely match the information in the national Toxics Release Inventory - Public Data Release, located at <http://www2.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools>, as published by EPA.

## **Introduction**

### **Part One - Virginia TRI Reporting**

#### **Statutory and Regulatory Basis**

The Virginia TRI Report is published annually pursuant to Virginia Code § 10.1-1186.1. The TRI Report contains information on the release, transfer, or management of listed chemicals and chemical categories, as reported by more than 400 Virginia industries and federal facilities. The facilities are required to submit their reports pursuant to the federal Emergency Planning and Community Right-to-Know Act (EPCRA), also known as SARA Title III.<sup>1</sup> Virginia Code § 10.1-1186.1 directs DEQ to publish the Virginia TRI Report in March of each year and to include information for the most recent calendar year for which data are available, in this case, the calendar year 2016. The Virginia Code also directs the report to be organized by chemical, facility, facility location, and standard industrial classification (SIC) code. Federal regulations require facilities to submit their TRI reports to the U.S. Environmental Protection Agency (EPA) and to the Commonwealth. The Virginia TRI Report is compiled directly from the reports received from Virginia facilities.

A glossary of terms used in the Virginia TRI Report is included as Appendix A.

#### **Current Year (2016) Virginia Facility Reports**

Pursuant to federal requirements, facilities are required to submit their reports for a calendar year by the following July 1<sup>st</sup>. For example, facilities were required to file their reports on their calendar year 2016 activities on or before July 1, 2017. Therefore, data for calendar year 2016 are the most recent available for the March 2018 report. The TRI Report includes all facility reports and revisions received by DEQ on or before January 5, 2018. For reporting year 2016, 434 Virginia facilities filed 1,345 individual reports on the release or other management of TRI chemicals or chemical categories, which represents a slight decrease from the 439 facilities and a slight decrease from the 1,359 reports that were filed for reporting year 2015. Data for all reporting years are available to the public from DEQ's SARA Title III office. A digital copy of the current reporting year 2016 TRI report and appendices, as well as reporting years 2007-2016 TRI reports, are available to the public on DEQ's website at <http://www.deq.virginia.gov/Programs/Air/AirQualityPlanningEmissions/SARATitleIII/SARA313ToxicsReleaseInventory.aspx>.

In 2016, Virginia facilities reported the release, transfer, or management of 153 of the more than 650 chemicals and chemical categories that are subject to TRI reporting requirements.

#### **Changes to the 2016 Virginia TRI Report**

Continuing the policy changes which began with the 2002 report, an EPA final ruling requiring the reporting of the Nonylphenol chemical category became effective on September 30, 2015 and is applicable to reporting year 2016.

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<sup>1</sup> 42 U.S.C. § 11023, or SARA § 313



Assessing risk is beyond the scope of the report and is subject to site-specific interpretations and calculations. Readers are encouraged to utilize the resources listed in the report, appendices, and other data to analyze the overall use, release, and management of TRI chemicals.

Virginia is one of 37 states participating in the State Data Exchange program for online data collection of TRI reports. States which join the TRI State Data Exchange can save resources by sending all of their data electronically via the Central Data Exchange (CDX). Participating states may be viewed at the following site <http://www2.epa.gov/toxics-release-inventory-tri-program/tri-data-exchange>.

## **Part Two - National Toxics Release Inventory Reporting Program**

### **The National Toxics Release Inventory**

The Virginia TRI Report is compiled directly from reports Virginia facilities submit under federal law and regulations.<sup>2</sup> Using those same authorities, EPA compiles and maintains nationwide information in the *Toxics Release Inventory – National Analysis*, which is available to the public on EPA’s website at <http://www.epa.gov/tri/>. The National Toxics Release Inventory was established to provide information to the public about the presence and release of toxic and hazardous chemicals in their communities. From inception, the national TRI program and Virginia’s program have been expanding and evolving to meet the needs of an informed public. A list of supplementary resources on the program can be found in Appendix B and more detailed information about the historical changes to the TRI program can be found in Chapter Four.

### **Facilities Which Must Report**

Under the national TRI program, a facility must submit a TRI report (or reports) to EPA and the state for the reporting year if:

- 1) **The facility has ten or more full-time employees** (a combined total for all employees of 20,000 hours or more for the year);
- 2) **The facility’s primary business is within one of the covered North American Industrial Classification System (NAICS) codes.** The covered industry sectors include metal mining, coal mining, paper and allied products, chemicals and allied products, petroleum terminals and bulk stations and others. The complete list of covered industry groups is provided in Appendix H; and
- 3) **The facility manufactured, processed, or otherwise used a reportable toxic chemical in quantities greater than the established threshold during the course of a calendar year.** The annual reporting thresholds for non-PBT TRI chemicals are 25,000 pounds for manufacturing, 25,000 pounds for processing, and 10,000 pounds for "otherwise use." For PBT chemicals, the thresholds for reporting are lower and vary by chemical. For example, dioxin and dioxin-like compounds have a threshold of 0.1 grams, while lead and lead compounds have a reporting threshold of 100 pounds. For PBT chemicals, these lower reporting thresholds apply whether the chemical is manufactured, processed, or otherwise used. A TRI reporting threshold screening tool is

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<sup>2</sup> The national TRI was established under Title III, Section 313, of the Federal Superfund Amendments and Reauthorization Act (SARA), which is also known as the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), 42 U.S.C § 11023. The related federal regulations are found at 40 CFR Part 372.

available on EPA's website at the following address: <https://www.epa.gov/toxics-release-inventory-tri-program/tri-threshold-screening-tool>.

Federal facilities also are required to comply with EPCRA and the Pollution Prevention Act (PPA) of 1990, in accordance with Executive Order 13148. The Executive Order requires all federal facilities which manufacture, process, or otherwise use any listed EPCRA Section 313 chemical above the reporting threshold to submit a TRI report. The first federal facility reports were submitted on or before July 1, 1995, for calendar year 1994.

### **Chemicals and Chemical Categories**

For a chemical or chemical category to remain on or be added to the TRI list, the chemical must be known to cause or to reasonably be anticipated to cause one of the following:

- Adverse acute health effects at significant concentration levels beyond facility boundaries as a result of continuous or frequently occurring releases;
- Cancer in humans; or
- A significant adverse effect on the environment because of the chemical's toxicity and persistence in the environment.

As new chemicals of concern are identified, they are added to the TRI list. Conversely, if TRI chemicals are found not to meet the toxicity requirements, they can be deleted. Currently, the reportable TRI chemical list contains more than 650 chemicals and chemical categories. A complete list of TRI chemicals and chemical categories for calendar year 2016 reports is available to the public on EPA's website at <http://www2.epa.gov/toxics-release-inventory-tri-program/tri-listed-chemicals>.

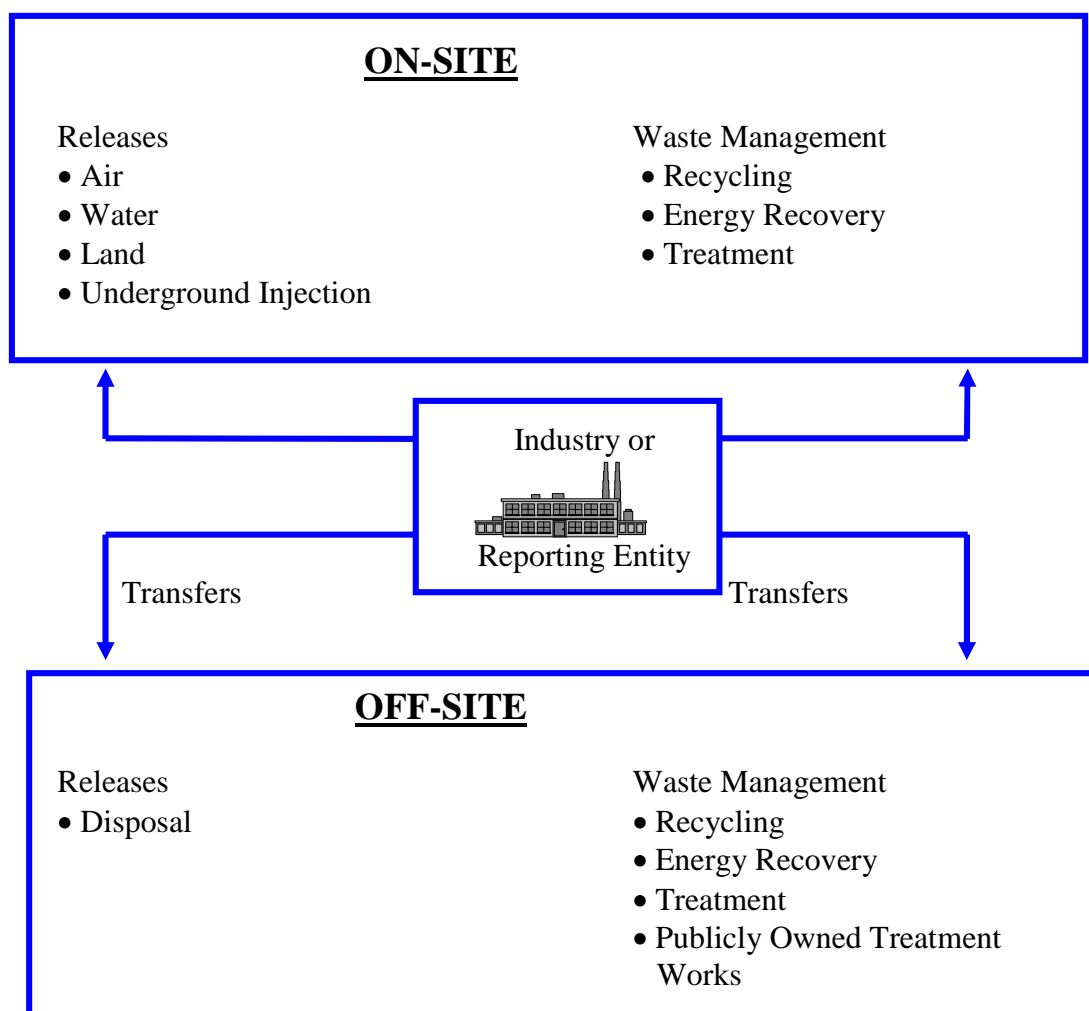
For 2016, Virginia facilities reported the release, transfer, or management of 153 of the more than 650 chemicals and chemical categories which are subject to the TRI reporting requirements.

### **Reporting Forms and Activities Which Must Be Reported**

Each year, reporting facilities submit one reporting form for each TRI chemical or chemical category which is manufactured, processed, or otherwise used in amounts equal to or greater than the threshold values. For each TRI chemical or chemical category, facilities must submit either a Form A (simplified form) or a Form R (long form). Examples of both forms for reporting year, 2016, are provided in Appendix D. Form A has restrictions governing its use. The TRI Electronic Reporting Rule, effective January 21, 2014, now requires facilities to use EPA's Automated TRI Reporting Software TRI-Made Easy (TRI-ME) to submit the information electronically on-line via CDX. Reports containing trade secrets or revisions to reports previously containing trade secrets must still be submitted to EPA and Virginia via hard copy. The 2009 Omnibus Appropriation Act has returned TRI reporting requirements to the rules in effect prior to the TRI Burden Reduction Rule, announced in December 2006. The change requires that reports on PBT chemicals be submitted on the Form R. For all other chemicals, the shorter form, Form A, may be used only if the "annual reporting amount" is 500 pounds or less and the chemical was manufactured, processed, or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Data used to prepare quantitative information in the Virginia TRI Report come principally from Part II of the Form R reports, and specifically from Sections 5, 6, 7 and 8 of Part II, Form R. These sections are referred to throughout the Virginia TRI Report and are described below:

- **Section 5: Quantity of toxic chemical entering each environmental medium on-site.** Release reporting for on-site releases is broken down into categories: releases to the air (from stack and fugitive emissions), releases to water (on-site via Virginia Pollutant Discharge Elimination Systems (VPDES) permitted outfalls and to publicly owned treatment works (POTWs)), and releases to land (underground injection, disposal to land, Resource Conservation and Recovery Act (RCRA) Subtitle C landfill, other landfills, land treatment/application farming, surface impoundment, or other disposal).
- **Section 6: Transfers of the toxic chemical in wastes to off-site locations.** Section 6 contains two main subsections: transfers to POTWs and transfers to all other off-site locations (in-state or out-of-state). Facilities are required to provide the name and location of off-site locations, the quantity transferred, and the method of management (treated, disposed, recycled, or burned for energy recovery).
- **Section 7: On-site waste treatment methods and efficiency (including energy recovery processes and recycling processes).** Facilities are asked to provide mostly qualitative information about the on-site treatment processes, the estimated range of influent concentration, and the efficiency of the operation.
- **Section 8: Source reduction and recycling activities.** Section 8 was added to the Form R reporting as a result of the federal Pollution Prevention Act of 1990 to track production-related activities. Section 8 extracts and re-aggregates data reported in Sections 5 through 7 into environmental releases (production-related on-site and off-site releases), off-site transfers/management, and on-site management. Where Section 7 contains qualitative information about on-site management practices, a subsection of Section 8 asks for related quantitative data. Section 8 and its subsections also request previous year reporting and future year estimates for production-related releases, transfers for off-site management, and on-site management. Other subsections of Section 8 ask for episodic/catastrophic releases (non-production related), qualitative information about source reduction activities, and a production ratio or activity index to better gauge the facility's efforts in source reduction. The flow chart (Figure 1) on the following page illustrates the information collected on Form R for TRI chemicals.

**Figure 1 - Schematic Diagram of the TRI Data Collected**

### **Part Three - Uses and Limitations of TRI Data**

The Virginia TRI Report provides the public, especially local emergency planning committees, with information concerning designated toxic chemicals and chemical categories manufactured, processed, or otherwise used at facilities, including the amounts released to the environment and managed as wastes.

Industry can use the data to: obtain an overview of use and release of toxic chemicals, identify and reduce costs associated with toxic waste, identify promising areas for pollution prevention, establish reduction targets, and measure and document progress toward reduction goals.

The public availability of the data has assisted many facilities in working with their communities to develop effective strategies for reducing environmental and human health risks that may result from toxic chemical releases.

Nevertheless, there are limitations on the use of TRI data:

1. The TRI Report contains reported information on the quantities of chemicals released and managed, not the public's exposure to, or risk from, the chemicals. Due to the limited nature of TRI data collected, readers are strongly discouraged from making any health or environmental risk/exposure assessments from the information presented. Risk to human health by a chemical release depends on the toxicity of the chemical; how it disperses, reacts, or persists in the environment; and the quantity, concentration, and type of human exposure. Furthermore, chemicals reported for the TRI Report are not weighted by their toxicity. For example, a pound of one substance may be more toxic or hazardous than 1,000 pounds of another. Most of the TRI chemical releases are permitted under other federal and state regulatory programs such as the CAA, CWA and RCRA. Data from these regulatory programs may provide additional information to better inform residents about their environment.
2. The TRI program captures only a portion of all toxic chemical releases in Virginia. The TRI reporting program does not account for TRI chemicals from most non-manufacturing facilities, facilities with fewer than 10 employees, facilities that do not meet the chemical quantity thresholds, other non-industrial sources, or transportation-related emissions.
3. The majority of facilities report TRI data based on estimates. The TRI program does not require facilities to monitor releases, only to use best available data in the facilities' estimates. Using different methods to estimate data can result in significant variability from one facility to another, as well as from one year to the next.
4. Patterns of releases and other waste management activities can change significantly from one year to the next. Thus, the data in this report for a specific facility may differ from those reported for a prior year. Although many facilities utilize Environmental Management Systems to improve efficiency and reduce waste, higher production often leads to higher releases.
5. Direct comparison between figures in the current year's report and figures in past Virginia TRI Reports is discouraged because of changes in reporting requirements and the authorized incorporation of revisions to previous years' data. Several historical comparisons, with appropriate standardization of data, are provided in Chapter 4 and Appendix E.
6. EPA is required by law to compile an annual *Toxics Release Inventory – National Analysis* on the national level. The data published in the Virginia TRI Report is anticipated to not completely correspond to the data published by the EPA. Contributing factors include: differing dates on which data are extracted for processing, revised facility reports, and facilities which mistakenly report to the Commonwealth or EPA but not both. DEQ and EPA continue to work together to rectify such differences.

The data for calendar year 2016 show an increase (5.88 percent) in the amount of TRI chemicals released on-site, transferred off-site and managed on-site from 2015 (see Chapter 4 for the 2014-2016 comparison table). There has been a downward trend in the amount of TRI chemicals released to the environment and managed as wastes in Virginia since the implementation of the TRI Program in 1988 with an overall decrease in the total amount of TRI reportable chemicals of over 44% between 2003 and 2016 as shown in the table in Appendix E. The amount of TRI chemicals being treated and recycled on-

site and the TRI chemicals being released to the water and stack air accounted for the overall increase in the total amount of TRI chemicals reported in 2016.



## **Chapter One - 2016 Virginia TRI Data Review**

Chapter One describes the 2016 reporting year data, based on the type of activity and the chemicals and chemical categories reported. The chapter is divided into four parts. Part One presents an overview and summary of 2016 data collected. Part Two discusses on-site releases of TRI chemicals to the environment, whether to air, water, or land. These data are derived from Section 5 of the Form R reports. Part Three discusses the off-site transfers of TRI chemicals, whether to POTWs or to other off-site locations. These data are derived from Section 6 of the Form R reports. Part Four discusses on-site and off-site management activities. These data are derived from Section 8 of the Form R reports. While Chapter One includes all TRI chemicals, Chapter Two addresses PBT chemicals in more detail.

As described in the Introduction, Section 8 of the federal Form R asks facilities to extract and re-aggregate certain data from Sections 5 and 6. To avoid double-counting these chemicals in the Overview and Summary, only data which are independent of Sections 5 and 6 are presented when discussing "On-Site Management" in Part One of this chapter. When discussing Section 8 data as a whole, however, all these data are used in Part Four of this chapter; including data extracted and re-aggregated from Sections 5 and 6, so the balance between various on-site and off-site management activities can be shown. Appendices H and I contain facility-specific information, arranged by jurisdiction, for TRI chemicals (excluding PBTs) and for PBT chemicals, respectively.

### **Part One - 2016 Overview and Summary**

For calendar year 2016, Virginia facilities reported they released, transferred, or managed approximately 909.07 million pounds of TRI chemicals (see Table 1).

Approximately 35.82 million pounds of TRI chemicals were reported to have been released on-site to the environment. Air releases represented 19.01 million pounds, or 53.06 percent of all the TRI chemicals released on-site in 2016. Releases to the water totaled approximately 13.57 million pounds, or 37.87 percent of the total released on-site. Releases to the land totaled approximately 3.25 million pounds, or 9.07 percent of the total released on-site. For 2016, the amount of TRI chemical releases to the environment represented approximately 3.95 percent of the total TRI chemicals reported.

The majority of the reported releases occurred under a federal or state permit program designed to protect human health and the environment.

Off-site transfers totaled approximately 64.40 million pounds of TRI chemicals. Off-site transfers to POTWs totaled approximately 16.27 million pounds. Off-site transfers to other (non-POTW) facilities (for treatment, recycling, energy recovery, and disposal) totaled approximately 48.13 million pounds. For 2016, the amount of TRI chemicals transferred off-site represented approximately 7.08 percent of the total for TRI chemicals by this measure.

Facilities reported that approximately 808.84 million pounds of TRI chemicals were managed on-site by treatment, recycling, or energy recovery. For 2016 the amount of chemicals managed on-site represents approximately 88.97 percent of the total TRI chemicals.



**Table 1. Summary of Data by Type of Release, Transfer, and On-Site Management for TRI Chemicals (in pounds per year)**

On-Site Releases By Media (Section 5 of Form R)	
Total Air	19,006,314.37
Fugitive Air	3,492,449.20
Stack Air	15,513,865.17
Total Water	13,566,966.52
Total Land	3,249,165.42
Landfills	1,988,405.35
Land Treatment / Application	7,924.18
Surface Impoundment	1,075,082.11
Other Disposal	177,753.78
<b>Total On-Site Releases to Media</b>	<b>35,822,446.31</b>
Off-Site Transfers By Type (Section 6 of Form R)	
Publicly Owned Treatment Works (POTWs) (includes metals and metal compounds)	16,272,407.17
Total Other Off-Site Transfers	48,132,401.94
Off-Site Transfers for Recycling	25,560,286.83
Off-Site Transfers for Energy Recovery	3,907,867.57
Off-Site Transfers for Other Treatment	15,730,806.06
Off-Site Transfers for Disposal	2,933,441.48
<b>Total Off-Site Transfers</b>	<b>64,404,809.11</b>
On-Site Management (From Section 8 of Form R) *	
Treated On-Site	102,430,902.99
Recycled On-Site	703,337,537.36
Energy Recovery On-Site	3,078,723.78
<b>Total On-Site Management</b>	<b>808,847,164.13</b>
Total TRI Chemicals Released On-site to Media, Transferred Off-site, or Managed On-site by Reporting Facilities	<b>909,074,419.55</b>

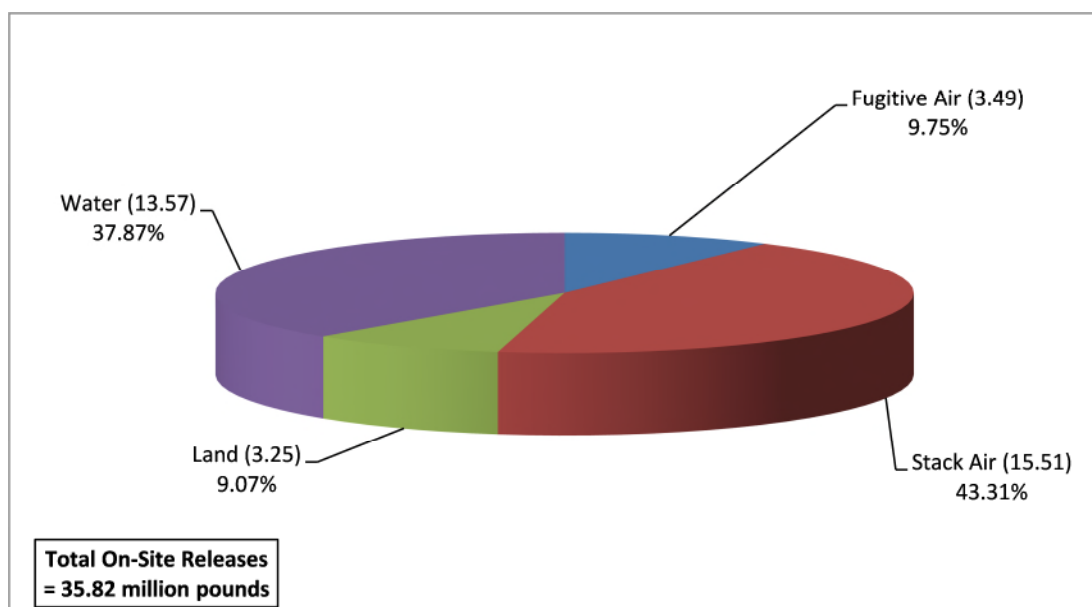
\* The data for the on-site management of TRI chemicals are a summary of data collected from Part II, Sections 8.2, 8.4, and 8.6 of the Form R. These sections, in turn, are quantitative data not reported anywhere else in the Form R and reflect the descriptive data reported in Part II, Section 7 (on-site management practices - treatment, energy recovery, and recycling) of the Form R. Data extracted and re-aggregated to Section 8 from Sections 5 and 6 of Form R have not been included here to avoid duplicate counting.

## Part Two - On-Site Releases to the Environment

Part Two of Chapter One discusses the on-site releases of TRI chemicals to the environment by facilities, as reported in Section 5 of the TRI Form R. The quantities reported in Section 5 include production-related releases, any catastrophic releases or one-time events not associated with routine production processes.

A release refers to an on-site discharge of TRI chemicals to the air, water, land, and/or disposal in underground injection wells. Any reductions in waste achieved by on-site treatment methods are taken into account when facilities determine their release data. Approximately 35.82 million pounds of TRI chemicals were reported as released into the environment by reporting facilities for reporting year 2016.

**Figure 2. On-Site Releases of TRI Chemicals to All Media for Reporting Year 2016** (From Section 5 of Form R. The number inside the parentheses is the quantity of releases in each category in millions of pounds and the percent figure is the percent of total on-site releases. There were no underground injection releases reported in 2016.)

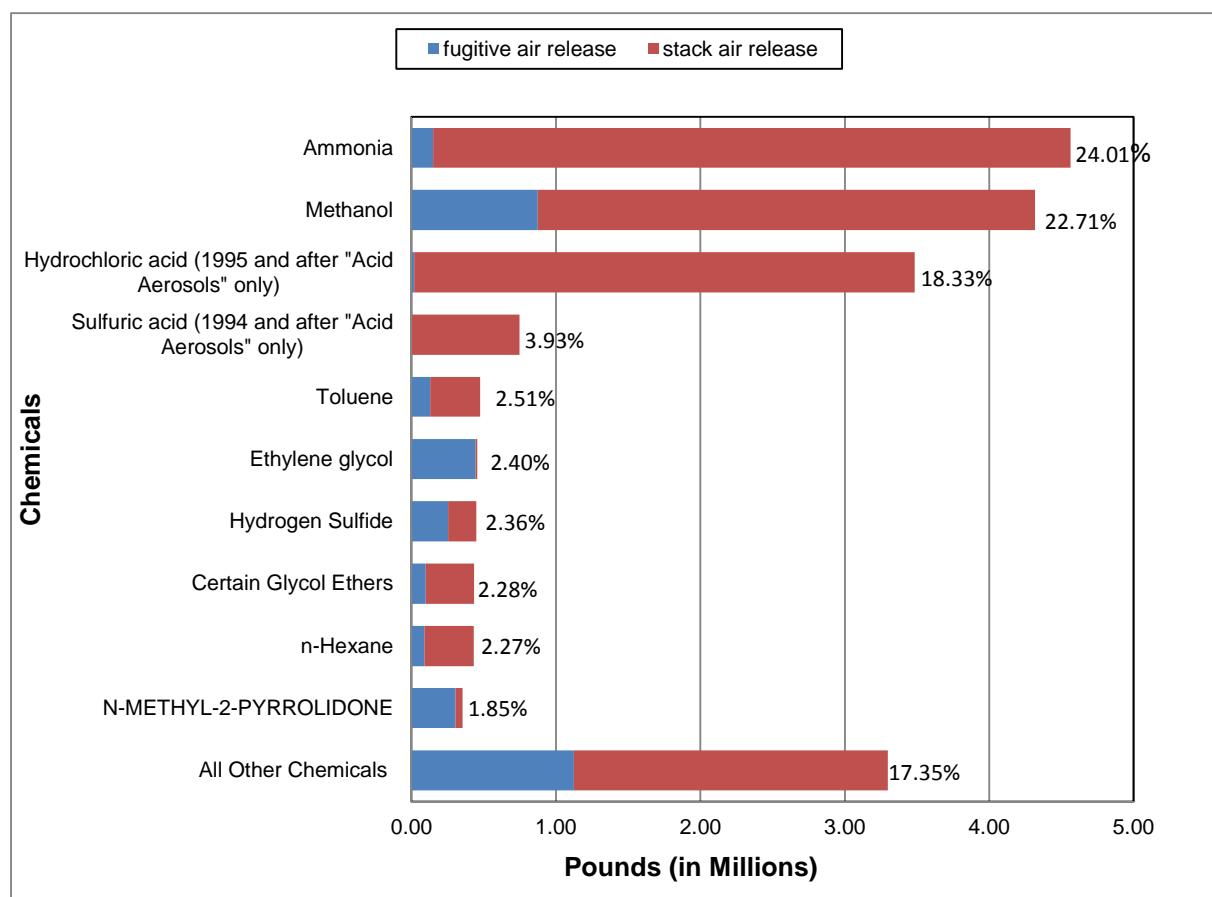


## On-Site Releases to the Air

On-site air releases are classified as either “fugitive” (non-point source) or “stack” (point source) air emissions. Examples of fugitive air emissions are equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills. Stack air emissions are releases which are conveyed through stacks, ducts, pipes, vents, or other confined air streams. Most facilities reporting stack emissions to TRI are required to have permits for the control of those emissions.

Based on the amount of fugitive and stack emissions reported, the total amount of releases to the air of all TRI chemicals was approximately 19.01 million pounds, which accounted for 53.06 percent of the total on-site releases to all media (air, water, and land). Ten TRI chemicals released to the air made up approximately 82.65 percent of the total reported TRI air emissions in 2016 (See Figure 3). Those ten TRI chemicals were: ammonia, methanol, hydrochloric acid, sulfuric acid, toluene, ethylene glycol, hydrogen sulfide, certain glycol ethers, n-hexane, and n-methyl-2-pyrrolidone. Most reported acid aerosols such as hydrochloric acid and sulfuric acid were reported as generated during the combustion of coal or oil. Electric power generating facilities contributed to the emissions of acid aerosols. Ammonia, methanol, and toluene continued to be the air pollutants reported primarily from the manufacturing sector.

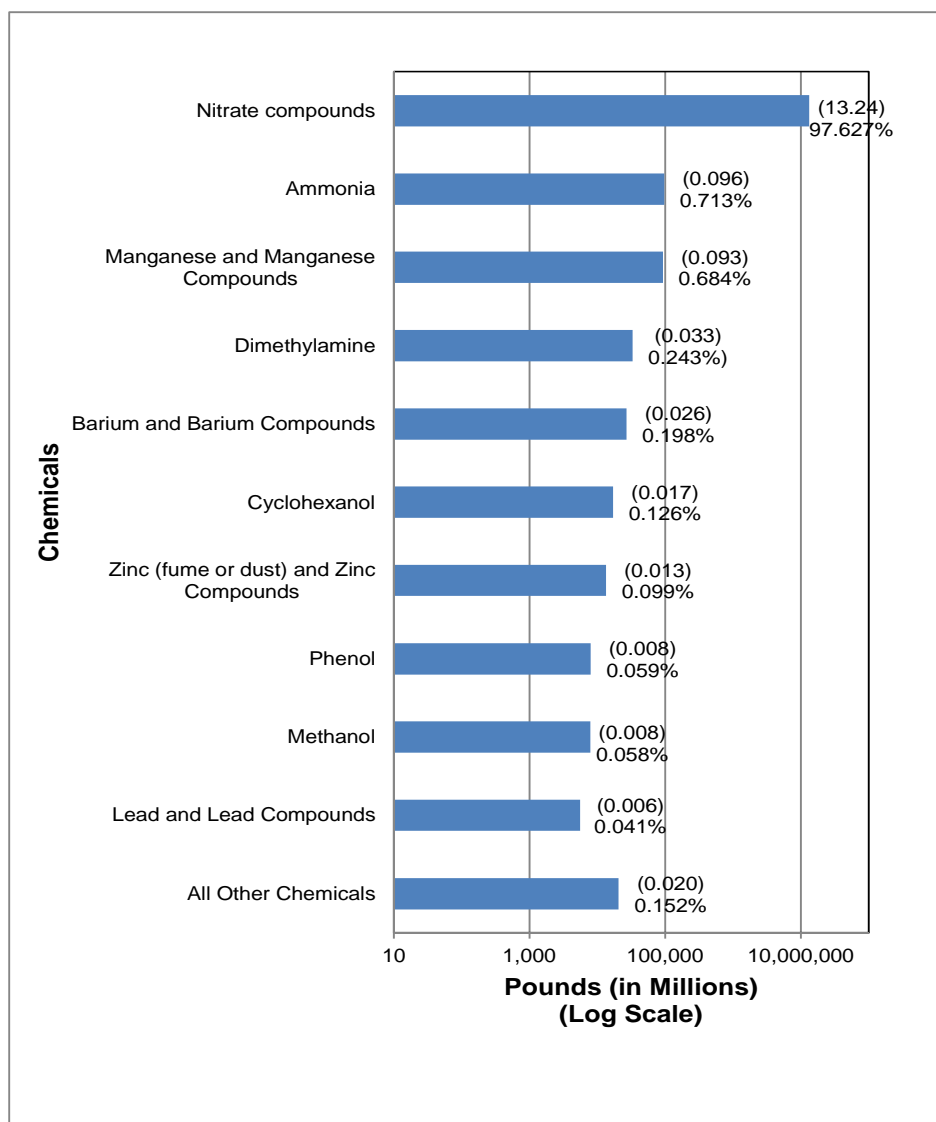
**Figure 3. Top Ten TRI Chemicals Released to the Air On-Site in 2016** (From Section 5 of Form R. The number next to each bar is the percent of total air releases for all 2016 chemicals reported.)



## On-Site Releases to Water

On-site releases to water include discharges to surface waters, such as rivers, lakes, ponds, and streams. These discharges are often from VPDES permitted outfalls. Reported on-site releases of TRI chemicals to water in 2016 totaled approximately 13.57 million pounds and accounted for 37.87 percent of all on-site releases to the air, water, and land in 2016. Ten chemicals and chemical categories accounted for more than 99.84 percent of the on-site TRI chemical releases to the water. Those ten TRI chemicals were: nitrate compounds (97.63 percent of total releases to water), ammonia, manganese and manganese compounds, dimethylamine, barium and barium compounds, cyclohexanol, zinc and zinc compounds, phenol, methanol, and lead and lead compounds. Nitrate compounds are a common byproduct of industrial wastewater treatment processes and have consistently been reported as the chemical released in the highest quantity to surface water.

**Figure 4. Top Ten TRI Chemicals Released to Water On-Site in 2016** (From Section 5 of Form R. The information presented here is in logarithmic, base 10 scale, which compresses the bar chart to show up to 450-fold magnitudes of the difference between nitrate compounds and other chemicals. The number by the bars represents the quantity in millions of pounds followed by percent of total reported releases to water.)

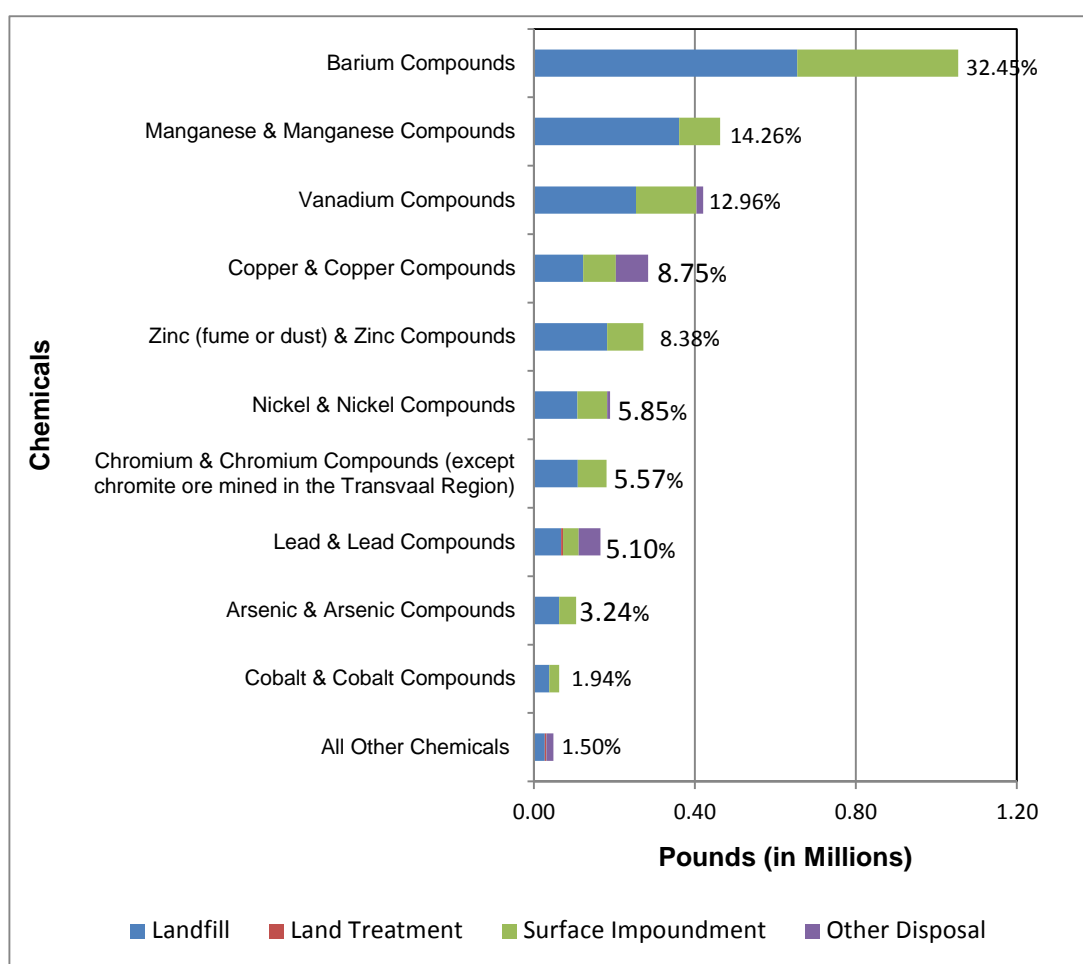


## On-Site Releases to the Land

On-site releases to the land refer to land filling, surface impoundment, land treatment/application farming, or any other release of a TRI chemical to land within the boundaries of a facility. Virginia does not permit underground injection as a method of hazardous waste disposal (nor was any reported) and no underground injection or RCRA Subtitle C permitted land disposal of TRI chemicals was reported in 2016.

The total amount of TRI chemicals released to the land in Virginia during 2016 was approximately 3.25 million pounds, which accounted for 9.07 percent of all reported on-site TRI releases (releases to the air, water, and land). Ten TRI chemicals constituted approximately 98.50 percent of all of the TRI chemicals released to the land. They were: barium and barium compounds, manganese and manganese compounds, vanadium and vanadium compounds, copper and copper compounds, zinc and zinc compounds, nickel and nickel compounds, chromium and chromium compounds, lead and lead compounds, arsenic and arsenic compounds, and cobalt and cobalt compounds (Figure 5). Metals and metal compounds such as barium are found naturally in coal combusted for energy generation and in the ashes remaining after combustion of the coal.

**Figure 5. Top Ten TRI Chemicals Released On-Site to the Land in 2016** (From Section 5 of Form R. The number next to each bar is the percent of total on-site land releases for all 2016 reported.)



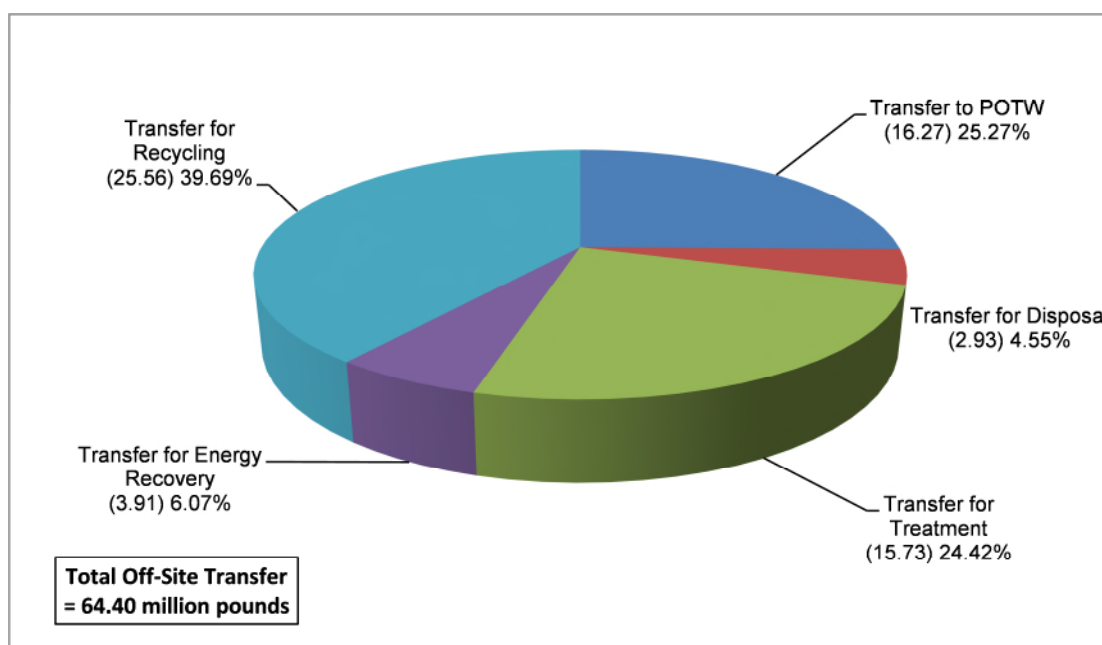
**Part Three - Off-Site Transfers**

Transfers refer to TRI chemicals sent off-site. Transfers are reported as transfers to POTWs or other off-site destinations, such as incinerators, landfills, or other facilities for treatment, recycling, energy recovery, or disposal which are not part of the reporting facility.

In this section, data were collected from Section 6 of Form R. For 2016, approximately 64.40 million pounds of TRI chemicals were reported as sent off-site for further management or disposal.

**Figure 6. All Off-Site Transfers of TRI Chemicals for Reporting Year 2016**

(From Section 6 of Form R. The number inside the parentheses is the quantity of transfers in each category in millions of pounds and the percent figure is the percent of total transfers.)

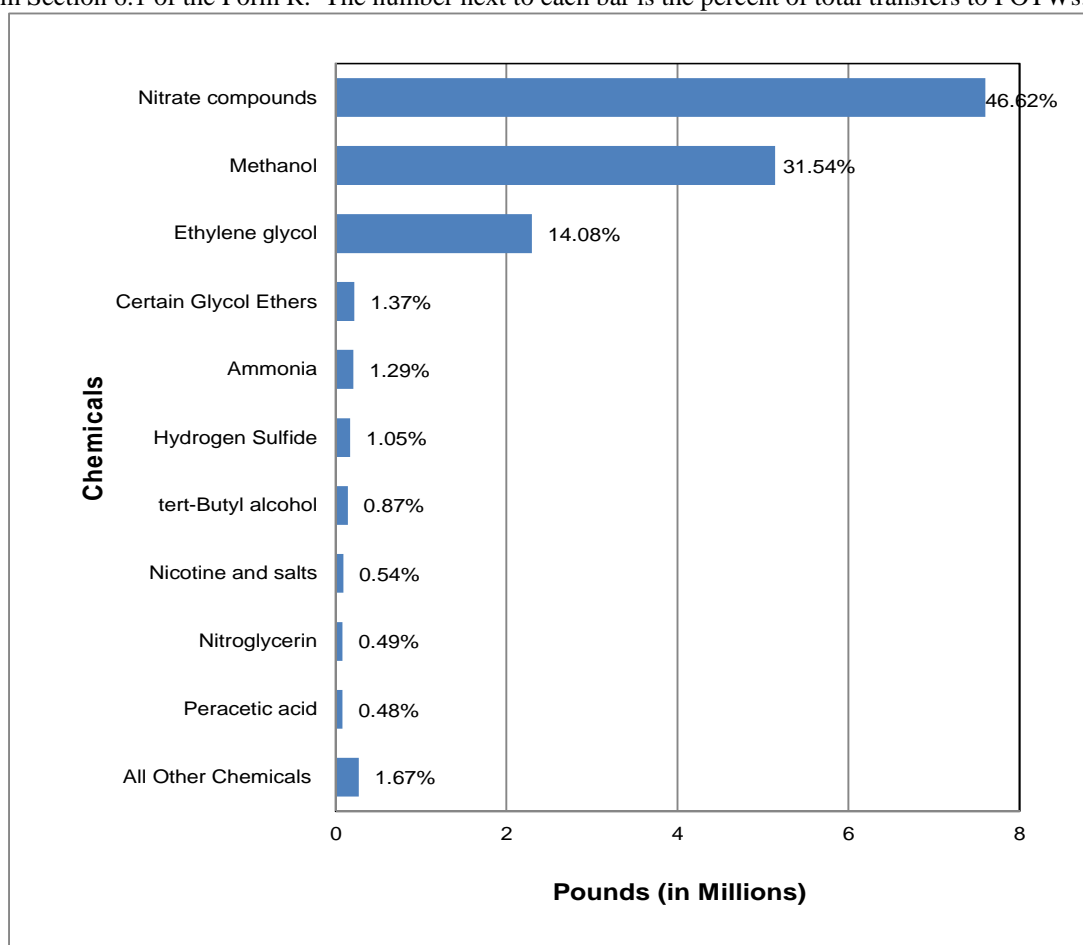


## Transfers to Publicly Owned Treatment Works

A POTW is a wastewater treatment facility which is owned by a state or local government. Wastewater from facilities reporting under TRI is transferred through pipes or sewers to the POTW. The TRI information summarized below reports transfers of a chemical to a POTW; however, a transfer to a POTW is not necessarily the same as the release of a chemical to the environment. TRI chemicals may be treated, destroyed, and/or removed from the environment in a POTW's physical, chemical, and biological treatment processes. Some TRI chemicals are almost completely destroyed by a POTW. However, not all chemicals can be treated or removed by a POTW. Some chemicals such as metals and metal compounds may be removed but not destroyed. These metals may ultimately be disposed of in a permitted landfill, disposed of in a permitted land application process, or released through a permitted discharge to receiving waters.

Ten TRI chemicals accounted for approximately 98.33 percent, or 16.03 million pounds of the approximately 16.30 million pounds of TRI chemicals transferred to POTWs in reporting year 2016. Nitrate compounds were the leading pollutant discharged to POTWs for treatment for the current reporting period. The other nine top-reported TRI chemicals transferred to POTWs were: methanol, ethylene glycol, certain glycol ethers, ammonia, hydrogen sulfide, tert-butyl alcohol, nicotine and salts nitroglycerin, and peracetic acid.

**Figure 7. Top Ten TRI Chemicals Transferred to Publicly Owned Treatment Works (POTWs) in 2016** (From Section 6.1 of the Form R. The number next to each bar is the percent of total transfers to POTWs.)

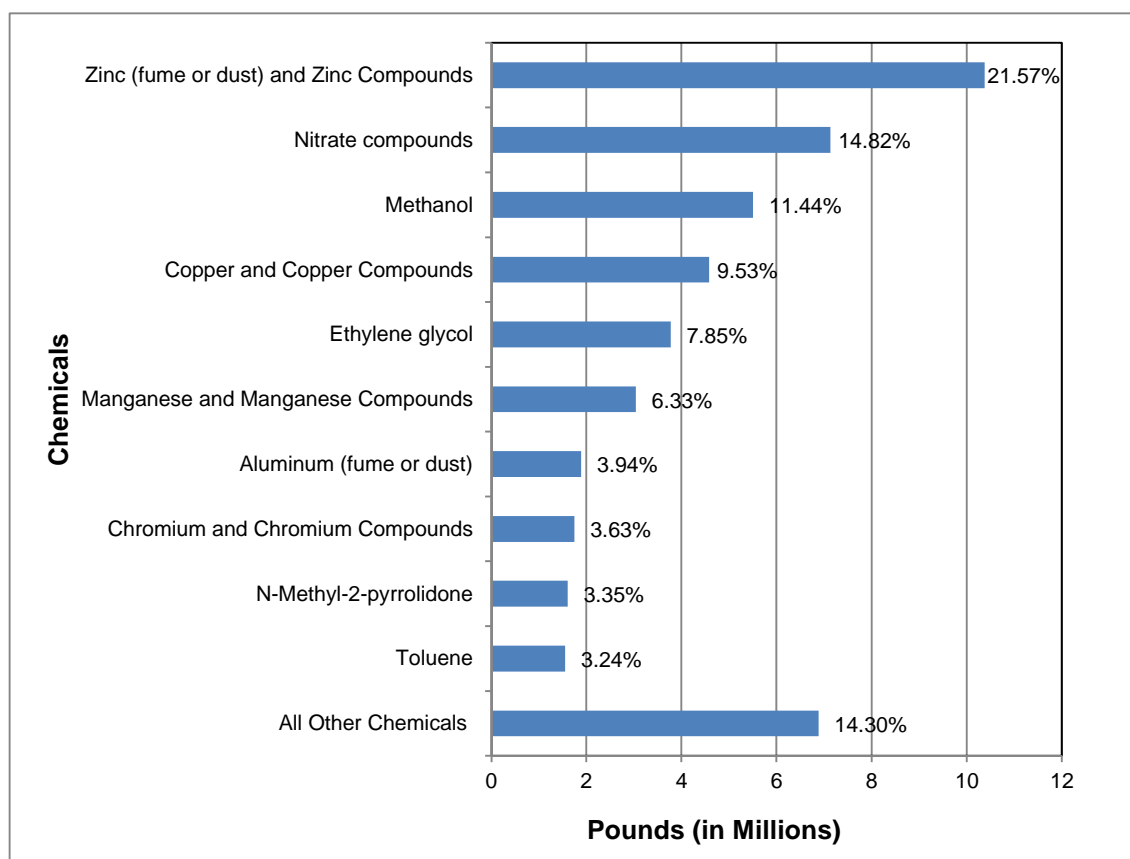


## Transfers to Other Off-Site Locations

The Form R also reports transfers of TRI chemicals to facilities other than POTWs. These off-site locations include incinerators, landfills, other treatment, energy recovery, recycling, and/or disposal facilities. Off-site transfers can be to facilities located inside or outside of the Commonwealth.

In 2016, the total amount of TRI chemicals transferred to other off-site locations was approximately 48.13 million pounds. Ten TRI chemicals represented approximately 85.70 percent of the total TRI chemicals transferred off-site to locations other than POTWs. Those ten TRI chemicals and chemical categories transferred off-site to locations other than POTWs in reporting year 2016 were: zinc and zinc compounds, nitrate compounds, methanol, copper and copper compounds, ethylene glycol, manganese and manganese compounds, aluminum (fumes or dust), chromium and chromium compounds, n-methyl-2-pyrrolidone, and toluene.

**Figure 8. Top Ten TRI Chemicals Transferred to Off-Site Locations Other than POTWs in 2016**  
(From Section 6.2 of the Form R. The number next to each bar is the percent of total transfers to other off-site locations.)





**Part Four - On-Site and Off-Site Management**

Under the Pollution Prevention Act of 1990, facilities subject to EPCRA Section 313 must report their source reduction and recycling activities. Consequently, EPA added Section 8 to the Form R to track production-related activities. Section 8 contains 11 subsections and requires facilities to extract and re-aggregate data reported in Sections 5 through 7 into releases (on-site and off-site releases to the environment); off-site transfers/management; and on-site management categories. This part of Chapter One discusses all of the data included in Section 8 to track production-related activities so the relative methods of toxic chemical management can be compared.

Some of the data and information reported in Sections 5, 6 and 7 are handled differently for Section 8 reporting. The differences are the releases-to-the-environment data in Section 8 exclude catastrophic releases and one-time events not associated with the production process. Furthermore, metal and metal compounds reported as transfers for off-site management in Section 6 are aggregated with the on-site release data from Section 5 as releases to the environment. Metal and metal compounds cannot be destroyed through treatment; hence, their final disposal is considered a release to the environment. There are other differences in how quantities are reported, so the total toxics managed, as reported in Section 8, do not precisely match the total in Table 1. Also, Section 8 is the only part of the Form R which contains quantitative data on on-site waste management activities other than releases. While Section 7 contains qualitative information about on-site management practices, a subsection of Section 8 asks for quantitative data related to information reported in Section 7.

Consistent with the pollution prevention goal, Section 8 of Form R and its subsections also report additional information which addresses resource reduction efforts. In general, facilities utilize several options to manage TRI chemicals. Treatment of waste, both on-site and off-site, involves a variety of methods, including biological treatment, neutralization, incineration, and physical separation. Another option is on-site or off-site recycling. On-site or off-site recycling involves the toxic chemicals in waste being recovered or reclaimed and being returned for further processing or being made available for use in commerce. Energy recovery involves the combustion of toxic chemicals in industrial furnaces or boilers which generate energy for on-site or off-site use. The least preferable and last management option is disposal, which is considered a release to the environment.

As reported in Section 8 of the 2016 facility reports, 909.07 million pounds of production-related TRI chemicals were released, treated, recycled, or recovered both on-site and off-site from Virginia facilities. Approximately 88.97 percent of the TRI chemicals were managed on-site and 3.95 percent of the TRI chemicals were released into the environment on-site. About 7.08 percent of the TRI chemicals were transferred off-site to be managed by various means.

**Chapter Two - 2016 TRI Data for PBT Chemicals**

Persistent bio-accumulative toxic chemicals are those which remain in the environment for long periods of time, are not readily destroyed, and build up or accumulate in body tissue. Because of these characteristics, beginning with reporting year 2000, EPA added several PBT chemicals to the TRI reporting list and lowered the reporting thresholds for 18 PBT chemicals and chemical categories.

For reporting year 2016, DEQ received 296 reports and revisions for PBT chemicals, out of a total of 1,345 TRI reports and revisions (22.00 percent). Table 2 shows the reporting thresholds for the TRI PBTs. The table also shows that 12 of the 20 PBTs were reported as released, transferred, or managed by facilities in Virginia for reporting year 2016. Appendix G has facility-specific information for PBT chemicals.

**Table 2. TRI Reporting Year 2016 Persistent Bio-accumulative Toxic Chemicals - Reporting Thresholds and Number of Reports Received**

<b>CAS Number</b>	<b>Chemical /Chemical Category Name</b>	<b>Reporting Threshold</b>	<b>Reports Received</b>
309-00-2	Aldrin	100 lbs.	0
191-24-2	Benzo(g,h,i)perylene	10 lbs.	<b>23</b>
57-74-9	Chlordane	10 lbs.	<b>1</b>
N150	Dioxin and Dioxin-Like Compounds	0.1 gram	<b>19</b>
76-44-8	Heptachlor	10 lbs.	<b>1</b>
118-74-1	Hexachlorobenzene	10 lbs.	0
465-73-6	Isodrin	10 lbs.	0
7439-92-1	Lead	100 lbs.	<b>106</b>
N420	Lead Compounds	100 lbs.	<b>83</b>
7439-97-6	Mercury	10 lbs.	<b>4</b>
N458	Mercury Compounds	10 lbs.	<b>20</b>
72-43-5	Methoxychlor	100 lbs.	<b>1</b>
29082-74-4	Octochlorostyrene	10 lbs.	0
40487-42-1	Pendimethalin	100 lbs.	0
608-93-5	Pentachlorobenzene	10 lbs.	0
1336-36-3	Polychlorinated biphenyls (PCBs)	10 lbs.	<b>1</b>
N590	Polycyclic aromatic compounds (PACs)	100 lbs.	<b>36</b>
79-94-7	Tetrabromobisphenol A (TBBPA)	100 lbs.	<b>1</b>
8001-35-2	Toxaphene	10 lbs.	0
1582-09-8	Trifluralin	100 lbs.	0

Table 3 provides an overview and summary of 2016 PBT data. The data are organized as in Table 1, Chapter 1. In order to avoid duplicate counting, data extracted and re-aggregated in Section 8 from Sections 5 and 6 of Form R have not been included as "On-Site Management" in Table 3.

**Table 3. Summary of Data by Type of Release, Transfer and On-Site Management for PBT Chemicals** (Dioxin and dioxin-like compounds are listed separately from the "Other PBT Chemicals" column because they were reported in grams, while the other PBT chemicals were reported in pounds. A conversion to pounds is shown adjacent to the reported number of dioxins in grams.)

On-Site Releases By Media (Section 5 of Form R)	Dioxin and Dioxin-Like Compounds*in amounts for the year		Other PBT chemicals in amounts for the year
	Grams (g)	Pounds (lbs)	Pounds (lbs)
Total Air	13.98	3.08E-02	18,263.85
Fugitive Air	0.91	2.01E-03	5,713.40
Stack Air	13.07	2.88E-02	12,550.45
Water	2.17	4.78E-03	5,688.35
Land	1.30	2.86E-03	167,009.25
<b>Total On-Site Releases to Media</b>	<b>17.44</b>	<b>3.84E-02</b>	<b>190,961.45</b>
Off-Site Transfers By Type (Section 6 of Form R)			
Publicly Owned Treatment Works (POTWs) (includes metals and metal compounds)	0.00	0.00E+00	650.01
Total Other Off-Site Transfers	14.19	3.13E-02	747,294.06
Off-Site Transfers for Recycling	0.00	0.00E+00	652,750.44
Off-Site Transfers for Energy Recovery	0.00	0.00E+00	1,899.88
Off-Site Transfers for Other Treatment	0.00	0.00E+00	3,255.70
Off-Site Transfers for Disposal	14.19	3.13E-02	89,388.04
<b>Total Off-Site Transfers</b>	<b>14.19</b>	<b>3.13E-02</b>	<b>747,944.07</b>
ON-SITE MANAGEMENT (Section 8 of Form R)			
Treated On-Site	0	0.00E+00	8.10
Recycled On-Site	0	0.00E+00	159,908.23
Energy Recovery On-Site	0	0.00E+00	0.00
<b>Total On-Site Management</b>	<b>0</b>	<b>0.00E+00</b>	<b>159,916.33</b>

<b>Total PBT Chemicals Released On-site, Transferred Off-site, and Managed On-site by Reporting Facilities</b>	<b>31.63</b>	<b>0.07</b>	<b>1,098,821.85</b>
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\* Facilities are allowed to report PBT chemicals up to 7 decimal places of accuracy. For presentation purposes the summary amounts in this table have been rounded; however, the integrity of facility reported data has been maintained in the database. The specific data reported by each facility are provided in Appendix G.

Comparing Table 3 (PBT information) to Table 1 (information on all TRI chemicals), the amount of reported PBTs released on-site (190,961 pounds) was approximately 0.53 percent of the total TRI chemicals released on-site to the environment. The reported PBTs managed on-site (159,916 pounds) were less than one percent (0.02 percent) of the total TRI chemicals managed on-site. The reported PBTs transferred off-site for treatment, recycling, energy recovery, or disposal (747,944 pounds) were approximately 1.16 percent of the total TRI chemicals transferred off-site. In 2015, the previous reporting year, the on-site releases of PBT contributed to 0.69 percent of the total releases, 0.03 percent of on-site management, and 1.23 percent of off-site transfers.

Information on the amounts of each individual chemical or chemical category released on-site, transferred off-site, and managed on-site for the twelve PBT chemicals reported by Virginia facilities is provided in Table 4.

**Table 4. Reporting Year 2016 Amounts of TRI PBT Chemicals Released On-Site, Transferred Off-Site, and Managed On-Site by PBT** (Dioxin and Dioxin-like compounds have been converted to pounds and included in the totals.)

<b>Chemical Name</b>	<b>Released On-Site (in pounds)</b>	<b>Transferred Off-Site (in pounds)</b>	<b>Managed On-Site (in pounds)</b>
Benzo(g,h,i)perylene	11.95	1,091.53	2,991.70
Chlordane	0.00	500.00	0.00
Dioxin and Dioxin-Like Compounds	0.04	0.03	0.00
Heptachlor	0.00	100.00	0.00
Lead	53,105.73	182,334.40	35.53
Lead Compounds	134,452.68	549,323.94	127.30
Mercury	11.46	1,458.57	0.00
Mercury Compounds	2,108.64	228.67	0.00
Methoxychlor	0.00	100.00	0.00
Polychlorinated biphenyls	0.00	118.10	0.00
Polycyclic aromatic compounds (PACs)	1,270.99	12,488.86	156,761.80
Tetrabromobisphenol A	0.00	200.00	0.00
<b>Total for all 12 chemical/categories</b>	<b>190,961.49</b>	<b>747,944.10</b>	<b>159,916.33</b>

Of the PBTs listed in Table 4, lead, lead compounds, and PACs represented the most reported on-site releases to the environment, off-site transfers, and on-site management of PBT chemicals. Lead and lead compounds contributed to the bulk (98.22 percent) of the PBT on-site releases. Referring to Figure 5 in Chapter 1, lead and lead compounds ranked eighth in chemicals released on site to land in Virginia. Releases of lead and lead compounds and mercury and mercury compounds to the air (via stacks) or to the land (through fly ash disposal) can result from coal or oil combustion. PACs may form as a result of incomplete combustion of coal or oil or as a by-product of other industrial processes. PACs found in the waste stream can contain adequate British thermal units (BTUs) for energy recovery from incinerated waste.

Table 5 data show the distribution of PBTs versus reported activities (manufacture, process, or otherwise used). A facility may report more than one type of activity for a single TRI chemical.

**Table 5. Activities and Uses of PBT chemicals at facilities** (From Section 3 of the Form R) for 2016

Chemical Name	Activities Reported						
	Manufacturing Only	Processing Only	Otherwise Use Only	Both Manufacturing & Processing	Both Manufacturing & Otherwise Use	Both Processing & Otherwise Use	Manufacturing & Processing & Otherwise Use
Benzo(g,h,i)perylene	8	9	2	2	3	0	3
Chlordane	0	1	0	0	0	0	0
Dioxin and Dioxin-Like Compounds	38	1	0	1	0	0	0
Heptachlor	0	0	0	0	0	1	0
Lead	0	70	28	6	2	3	2
Lead Compounds	10	33	14	8	12	2	10
Mercury	0	1	1	0	1	1	0
Mercury Compounds	6	3	0	5	6	0	4
Methoxychlor	0	1	0	0	0	0	0
Polychlorinated biphenyls	0	0	1	0	0	0	0
Polycyclic aromatic compounds (PACs)	6	12	6	4	9	0	3
Tetrabromobisphenol A	0	1	0	0	0	0	0
Total for all 12 chemicals/categories	68	131	52	26	33	7	22

Table 5 shows “processing only” was the most frequently reported activity (131) involving PBT chemicals. “Processing only” was followed by “manufacturing only” (68) and “otherwise use only” (52). The major industrial sectors which reported processing of lead or lead compounds were the furniture and fixture industries; stone, clay, glass, and concrete products industries; primary metal and fabricated metal products industries; electronic or electrical equipment manufacturers; petroleum bulk plant operators; and manufacturer of transportation equipment. Dioxin and dioxin-like compounds are normally a product of incomplete combustion of waste streams containing chlorinated products. Lead or lead compounds can be co-manufactured under chemical manufacturing processes or as a by-product of fuel (coal or fuel oil) combustion. Industries such as primary metal; stone, clay, and glass products; transportation equipment manufacturers; electric power generation facilities; solvent recovery facilities; and paper and allied products industries were key reporters of lead compounds and mercury compounds in all three (manufacturing, processing, and otherwise used) activities.

## **Chapter Three – Industrial Sectors, Facilities and Locations**

In this chapter, data are presented by industrial sectors, as identified by the primary North American Industry Classification System Code (Part One), facilities (Part Two), and facility locations (Part Three). The chapter identifies the top ten Virginia industrial sectors, facilities, and facility locations (also referred to as jurisdictions) based on the reported on-site releases and the total on-site management of TRI chemicals.

As with Table 1 (Chapter 1) and Table 3 (Chapter 2), in order to avoid double counting, the data in this chapter for on-site management do not include the data extracted and re-aggregated from Sections 5 and 6 of Form R. Complete rankings of industrial sectors, facilities, and jurisdictions are included in Appendices H, I and J.

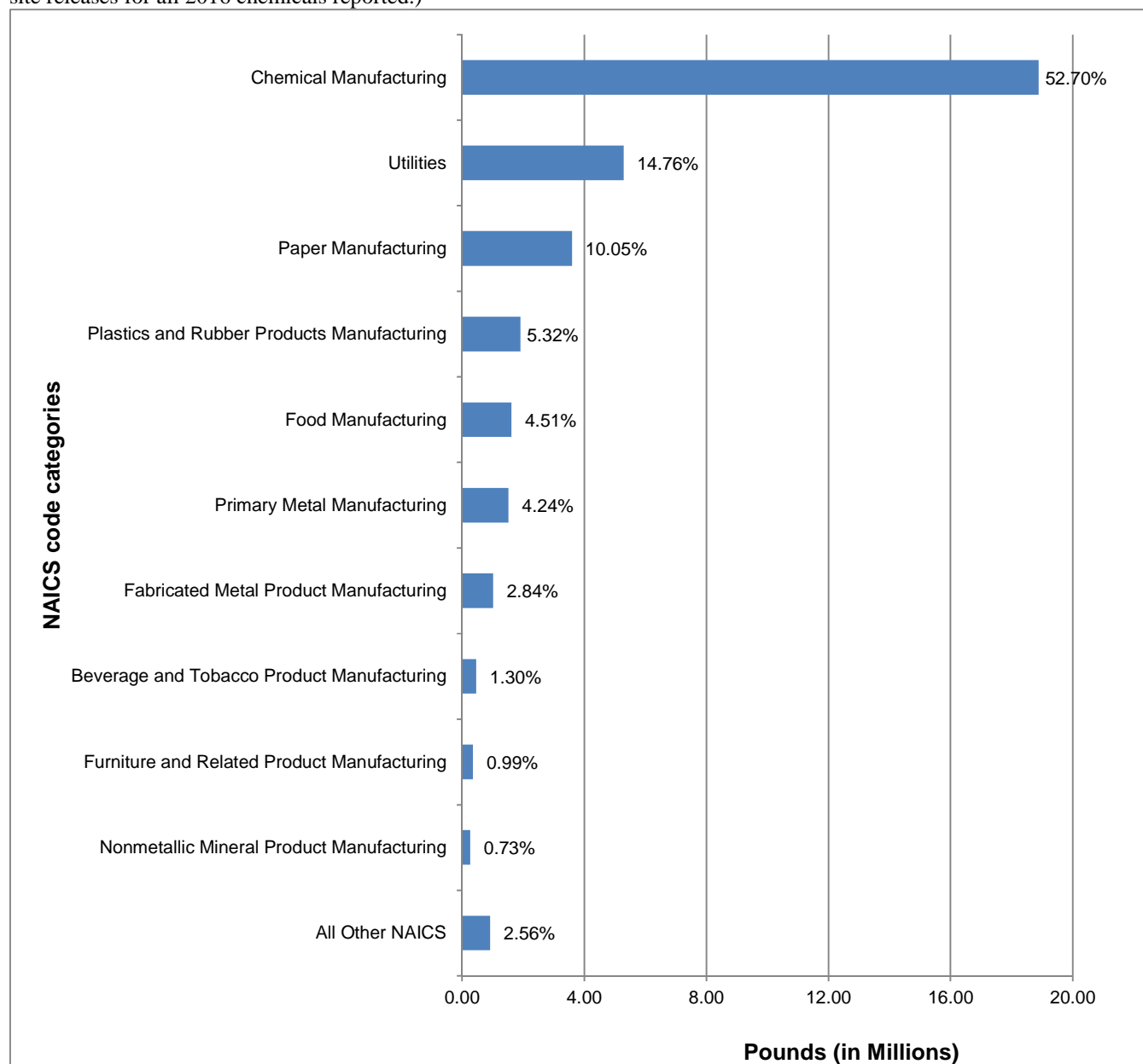
### **Part One - Industrial Sectors**

#### **Industrial Sectors Reporting On-Site Releases of TRI Chemicals**

Twenty-six industrial sectors, including federal facilities, are subject to TRI reporting requirements (see Appendix C). The three industrial sectors reporting the most on-site releases of TRI chemicals for 2016, based on the primary North American Industrial Classification System (NAICS) Code, were: chemical manufacturing; utilities (electric, gas, and sanitary services); and paper manufacturing. These three sectors contributed to 77.52 percent of the total on-site releases to the environment. The remaining top ten industrial sectors for 2016 were: plastics and rubber manufacturing, food manufacturing, primary metal manufacturing, fabricated metal product manufacturing, beverage and tobacco product manufacturing, furniture and related product manufacturing, and non-metallic mineral product manufacturing. A complete ranking of industrial sectors reporting on-site TRI releases is provided in Appendix H-1.



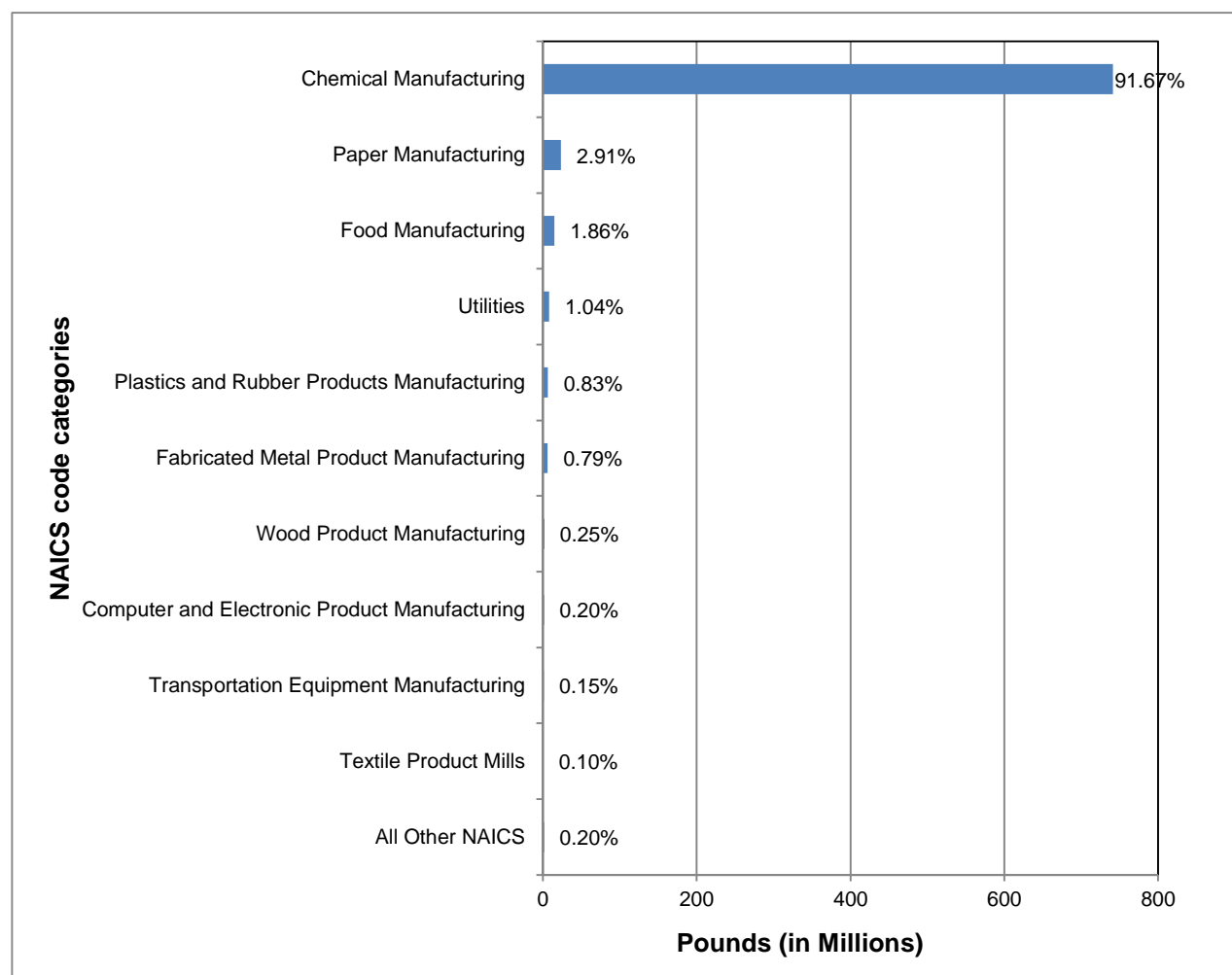
**Figure 9. Top 10 Reporting Industrial Sectors (based on NAICS codes) Releasing TRI Chemicals On-Site in Virginia for 2016** (From Section 5 of the Form R. The number next to each bar is the percent of total on-site releases for all 2016 chemicals reported.)



## Industrial Sectors Reporting On-Site Management of TRI Chemicals

The three industrial sectors reporting the most on-site management of TRI chemicals (see Figure 10) for 2016 based on the primary NAICS Code were: chemical manufacturing, paper manufacturing, and food manufacturing. These three sectors contributed to 96.44 percent of the total of on-site management of TRI chemicals. The remaining top ten industrial sectors for 2016 were: utilities, plastics and rubber manufacturing, fabricated metal products manufacturing, wood product manufacturing, computer and electronics manufacturing, transportation equipment manufacturing, and textile product mills. A complete ranking of industrial sectors reporting on-site TRI management is provided in Appendix H-2.

**Figure 10. Top 10 Reporting Industrial Sectors (based on NAICS codes) Managing TRI Chemicals On-Site in Virginia for 2016** (From Section 8 of the Form R. The number next to each bar is the percent total of on-site management for all 2016 chemicals reported. Figure 10 does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



## Part Two - Facilities

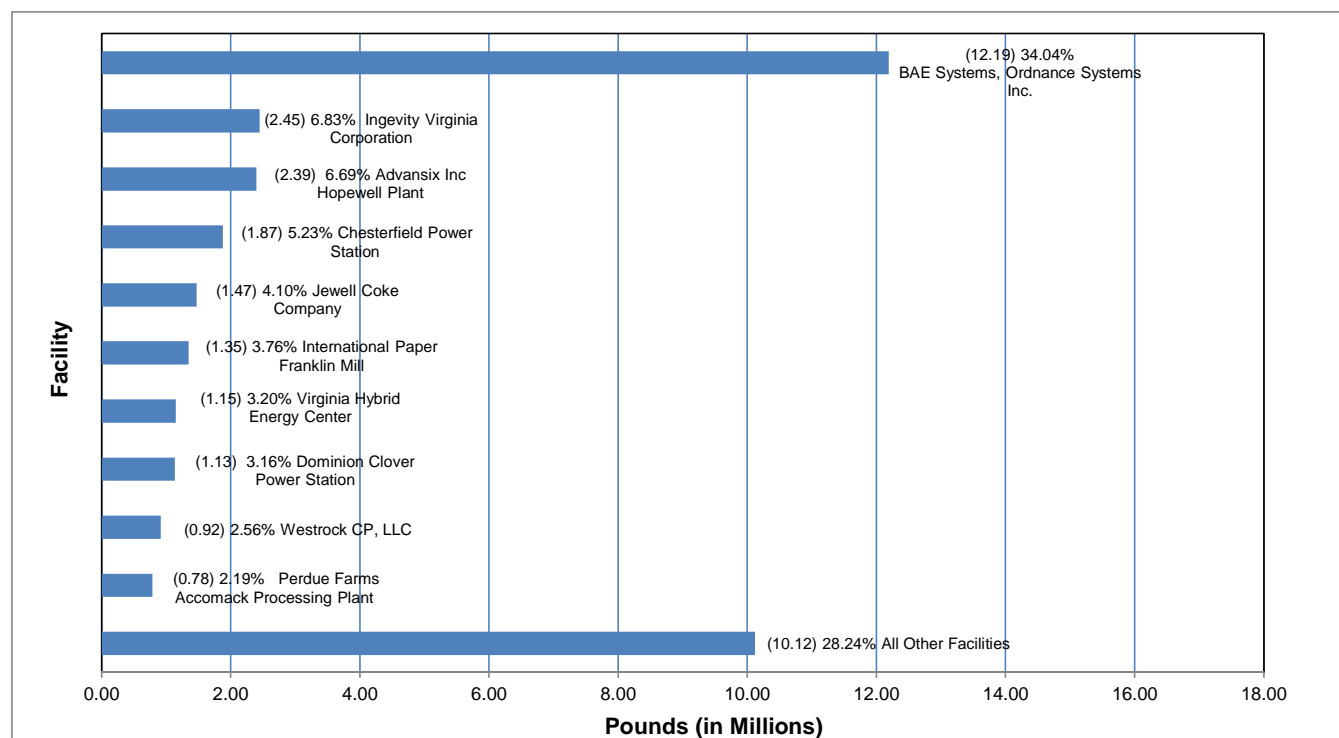
### Facilities Reporting On-Site Releases of TRI Chemicals

Virginia facilities that reported the highest contributions to the on-site release of TRI chemicals to the air (fugitive and stack), water, and land in 2016 were:

- BAE Systems, Ordnance Systems Inc.- Radford, Montgomery County
- Ingevity Virginia Corporation - City of Covington
- Advansix Inc. - Hopewell Plant - City of Hopewell
- Chesterfield Power Station - Chester, Chesterfield County
- Jewell Coke Co L.P. - Buchanan County
- International Paper Franklin Mill - City of Franklin
- Virginia City Hybrid Energy Center - Wise County
- Dominion Clover Power Station - Clover, Halifax County
- Westrock CP, LLC - West Point, King William County
- Perdue Farms Accomack Processing Plant - Accomack County

These facilities accounted for 47.55 percent (17.03 million pounds) of all reported TRI releases for 2016. Of the ten facilities, three are chemical manufacturing facilities; three are power generation facilities; two are paper manufacturing facilities; one is a food processing facility; and one is a petroleum and coal products manufacturing facility. Figure 11 shows the quantity of TRI chemicals each of these facilities released in Virginia in 2016. See Appendix I-1 for a complete ranking of on-site releases by facility.

**Figure 11. 2016 Top Ten Virginia Facilities Reporting Releases of TRI Chemicals On-Site** (From Section 5 of Form R. The numbers next to each bar are the total on-site releases (in millions of pounds), in the parentheses and the percent of total on-site releases for all 2016 chemicals reported for each facility.)



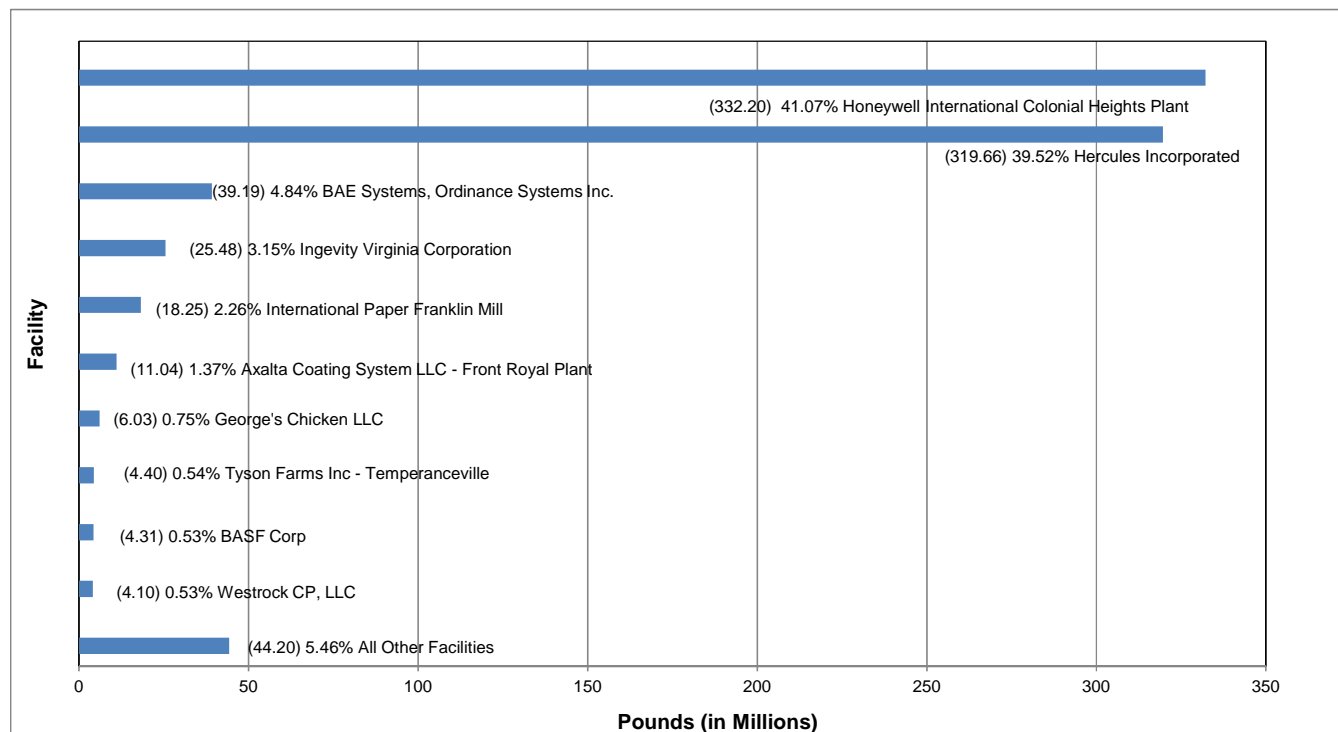
## Facilities Reporting On-Site Management of TRI Chemicals

Figure 12 shows the ten Virginia facilities reporting management of the greatest quantity of TRI chemicals on-site in 2016 other than releases. These facilities were:

- Honeywell International Colonial Heights Plant - City of Colonial Heights
- Hercules Inc. - City of Hopewell
- BAE Systems, Ordinance Systems Inc. - Radford, Montgomery County
- Ingevity Virginia Corporation - City of Covington
- International Paper Franklin Mill - City of Franklin
- Axalta Coating Systems, LLC - Front Royal Plant - Front Royal, Warren County
- George's Chicken LLC - Edinburg, Shenandoah County
- Tyson Farms, Inc. - Temperanceville, Accomack County
- BASF Corporation - City of Suffolk
- Westrock CP, LLC - West Point, King William County

These facilities accounted for approximately 94.54 percent (764.67 million pounds) of all reported on-site management (other than releases) in 2016. Figure 12 shows the quantity of TRI chemicals each of these facilities managed on-site in Virginia in 2016. Of the ten facilities, six are chemical manufacturing facilities; two are food manufacturing facilities; and two are paper manufacturing facilities. See Appendix I-2 for a ranking of on-site management by facility.

**Figure 12: 2016 Top Ten Virginia Facilities Managing TRI Chemicals On-Site, Other than Releases** (From Section 8 of the Form R. The number next to each bar is the total on-site management (in millions of pounds) for each facility, in the parentheses, and the percent of total on-site management of TRI chemicals for each facility. This figure does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



## Part Three - Jurisdictions

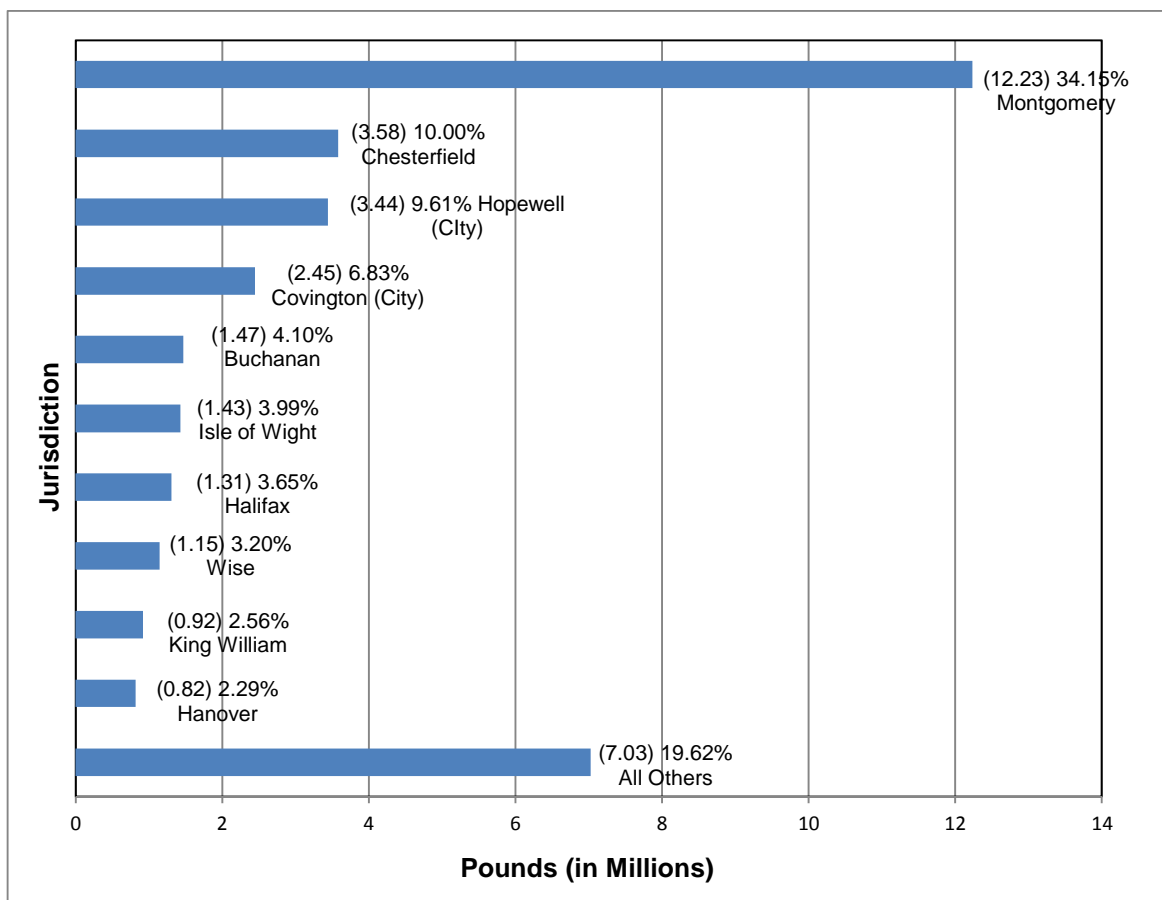
### Jurisdictions with Facilities Reporting On-Site Releases of TRI Chemicals

The Virginia jurisdictions (counties and independent cities) with facilities having the largest reported amount of total TRI chemicals released on-site to the environment (air, water, and land) in 2016 were: Montgomery County, Chesterfield County, City of Hopewell, City of Covington, Buchanan County, Isle of Wight County, Halifax County, Wise County, King William County, and Hanover County. The reported on-site releases occurring within these jurisdictions comprised 80.39 percent (28.80 million pounds) of the total TRI chemicals released on-site into the Virginia environment by reporting facilities in Virginia.

Appendix J-1 contains a ranking of jurisdictions by the on-site releases of facilities located in each jurisdiction. Furthermore, Appendices F and G contain detailed information about facilities located in these jurisdictions.

### Figure 13. 2016 Top Ten Virginia Jurisdictions for On-Site TRI Releases Reported by Facilities

(From Section 5 of the Form R. The number next to each bar represents the total on-site releases (in millions of pounds), in the parentheses, and the percent of the total on-site releases for each jurisdiction.)

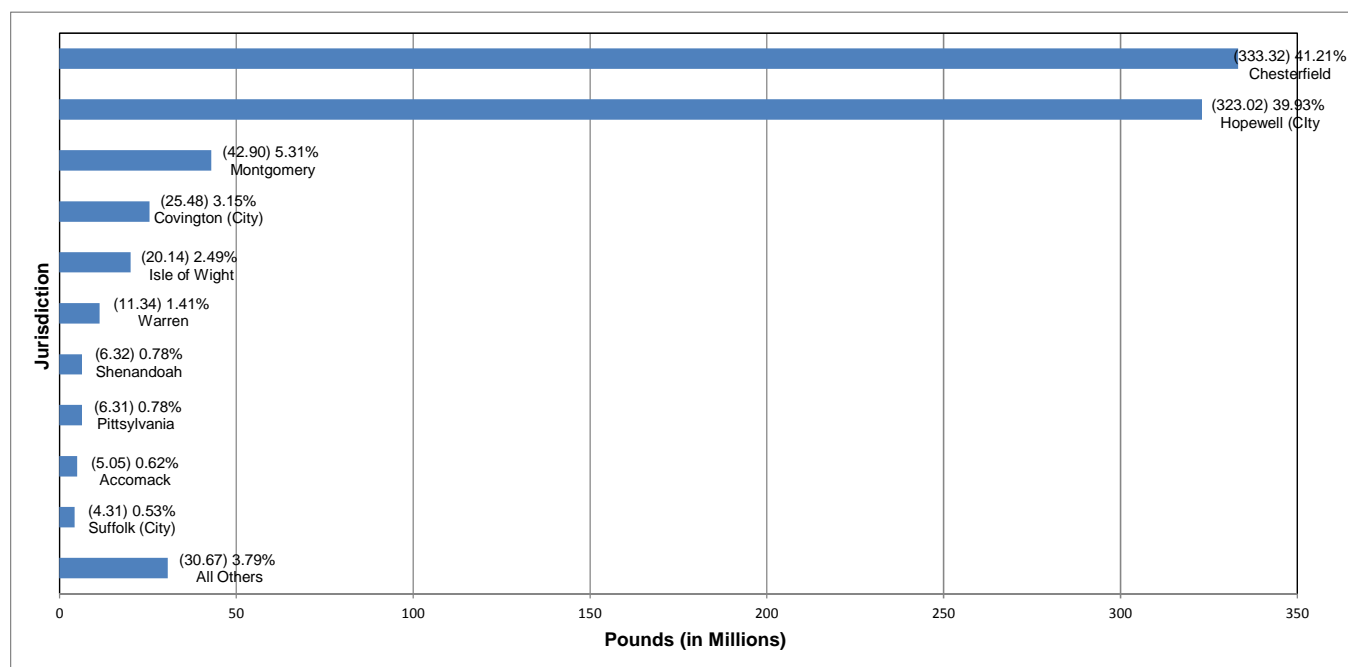


## Jurisdictions with Facilities Reporting Other On-site Management of TRI Chemicals

The Virginia jurisdictions with facilities having the largest total reportable TRI chemicals managed on-site (other than releases) were: Chesterfield County, City of Hopewell, Montgomery County, City of Covington, Isle of Wight County, Warren County, Shenandoah County, Pittsylvania County, Accomack County, and City of Suffolk. The on-site management of these chemicals in these jurisdictions comprised 96.20 percent (778.20 million pounds) of total TRI chemicals managed on-site (other than releases) by reporting facilities in Virginia.

Appendix J-2 contains a ranking of jurisdictions by the on-site management of facilities located there. Furthermore, Appendices F and G contain detailed information about facilities located in these jurisdictions.

**Figure 14. 2016 Top Ten Virginia Jurisdictions for TRI Chemicals Managed On-Site as Reported by Facilities:** (From Section 8 of the Form R. The number next to each bar is the total on-site management (in millions of pounds), in the parentheses, and the percent of the total of TRI chemicals managed on-site for each jurisdiction. Figure 14 does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



## **Chapter Four – Virginia TRI Historical Comparison**

Since its inception, the TRI program has been expanding and evolving, providing more information to the public about the presence and release of toxic and hazardous chemicals in communities. Over the past 30 years, various regulatory changes have occurred. In addition, facilities are authorized to revise reports from previous years. Allowing facilities to submit revised reports for previous years makes direct comparison of current data to historical reports difficult and potentially misleading. Appendix E provides further information about the changes in reporting requirements and sets out limited historical data which have been standardized.<sup>3</sup>

Nevertheless, reporting years 2014, 2015, and 2016 are generally comparable and Chapter Four presents data for those three years. All revisions for these reporting years received on or before January 5, 2018, have been incorporated.

Table 6 compares TRI data for reporting years 2014 to 2016 by type of release, transfer, and on-site management.

For reporting year 2016 the total amount of on-site releases shows a decrease from the corresponding amount for reporting year 2015, off-site transfers decreased, and on-site management decreased from the corresponding amounts for reporting year 2015. From 2015 to 2016 the total TRI chemicals released on-site, transferred off-site, or managed on-site increased by 5.88 percent.

Table 6 shows the changes with respect to on-site releases from reporting year 2015 to 2016, including a 5.47 percent increase in on-site releases to air, a 17.61 percent increase in on-site releases to water, and a 10.55 percent increase in on-site releases to land. There was an overall increase of 10.24 percent for on-site releases from 2015 to 2016.

Table 6 also shows that the on-site management of TRI chemicals through treatment, recycling, or energy recovery increased in 2016. The 2016 report data show an increase in on-site energy recovery by 19.50 percent, an increase in on-site recycling by 4.67 percent, and an 18.94 increase in on-site treatment. The overall quantities of TRI chemicals managed on-site increased by 6.34 percent for 2016.

The overall quantities of TRI chemicals transferred off-site for further management or disposal decreased by 1.61 percent from 2015 to 2016. With respect to off-site transfers, Table 6 shows a 16.43 percent decrease in TRI chemicals being transferred off site for disposal and a 4.46 percent increase in TRI chemicals being transferred off-site for energy recovery from 2015 to 2016.

Longer term trends can be seen in the last column of Table 6. Over three years, on-site releases of TRI chemicals increased by 1.79 percent, off-site transfers decreased by 3.77 percent, and on-site management decreased by 0.69 percent. From 2014 through 2016, Virginia facilities reported a 0.82 percent decrease in the release, transfer, or other management of TRI chemicals.

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<sup>3</sup> The information in Appendix E is historical and is for general comparison purposes only.  
*Virginia TRI Report – Summary of Data*  
*from 2016 Facility Reports (issued March 2018)*

**Table 6. Comparison Summary Data by Type of Release, Transfer and On-Site Management for TRI Chemicals for 2014, 2015 and 2016 (from Table 1)**

Management Activities	<b>RY 2014 (Pounds)</b>	<b>RY 2015 (Pounds)</b>	<b>RY 2016 (Pounds)</b>	<b>Changes 2015-2016</b>	<b>% Change 2015-2016</b>	<b>% Change 2014-2016</b>
<b>On-Site Releases</b>						
Air (Total)	20,388,755.18	18,020,039.02	19,006,314.37	986,275.35	5.47%	-6.78%
Fugitive Air	3,675,422.53	3,776,071.71	3,492,449.20	-283,622.51	-7.51%	-4.98%
Stack Air	16,713,332.65	14,243,967.32	15,513,865.17	1,269,897.86	8.92%	-7.18%
Water	11,164,687.01	11,535,716.86	13,566,966.52	2,031,249.66	17.61%	21.52%
Land	3,637,624.72	2,939,038.10	3,249,165.42	310,127.32	10.55%	-10.68%
<b>Total</b>	<b>35,191,066.92</b>	<b>32,494,793.98</b>	<b>35,822,446.31</b>	<b>3,327,652.33</b>	<b>10.24%</b>	<b>1.79%</b>
<b>Off-Site Transfers</b>						
POTW	17,284,792.66	16,381,440.62	16,272,407.17	-109,033.45	-0.67%	-5.86%
Other Off-Site Transfers	49,644,180.55	49,079,180.93	48,132,401.94	-946,778.99	-1.93%	-3.05%
Recycling	26,214,788.36	25,502,506.02	25,560,286.83	57,780.80	0.23%	-2.50%
Energy Recovery	2,768,600.05	3,741,105.92	3,907,867.57	166,761.65	4.46%	41.15%
Other Treatment	17,666,021.37	16,325,209.18	15,730,806.06	-594,403.12	-3.64%	-10.95%
Disposal	2,994,770.77	3,510,359.81	2,933,441.48	-576,918.33	-16.43%	-2.05%
<b>Total</b>	<b>66,928,973.21</b>	<b>65,460,621.55</b>	<b>64,404,809.11</b>	<b>-1,055,812.44</b>	<b>-1.61%</b>	<b>-3.77%</b>
<b>On-Site Management</b>						
Treated On-Site	82,508,856.54	86,121,866.15	102,430,902.99	16,309,036.84	18.94%	24.15%
Recycled On-Site	725,535,415.75	671,954,284.86	703,337,537.36	31,383,252.50	4.67%	-3.06%
Energy Recovery On-Site	6,391,787.00	2,576,373.00	3,078,723.78	502,350.78	19.50%	-51.83%
<b>Total</b>	<b>814,436,059.29</b>	<b>760,652,524.01</b>	<b>808,847,164.13</b>	<b>48,194,640.12</b>	<b>6.34%</b>	<b>-0.69%</b>
<b>Grand Total</b>	<b>916,556,099.42</b>	<b>858,607,939.54</b>	<b>909,074,419.55</b>	<b>50,466,480.02</b>	<b>5.88%</b>	<b>-0.82%</b>



Table 7 compares, in detail, the TRI data for PBT chemicals by type of release, transfer, and on-site management for reporting years 2014 to 2016. From 2015 to 2016, the total of PBT chemicals released on-site, transferred off-site, or managed on-site decreased by 5.02 percent.

The data show a decrease in releases to land and air releases, specifically for fugitive air releases, of PBT chemicals compared to 2015. Table 7 also shows a decrease in the total of PBT chemicals released on-site and transferred off-site and managed on-site for reporting years 2015 to 2016.

**Table 7. Comparison Summary Data by Type of Release, Transfer and On-site Management for PBT chemicals for 2014, 2015 and 2016 (from Table 3)**

Management Activities	RY 2014 (Pounds)	RY 2015 (Pounds)	RY 2016 (Pounds)	Changes 2015- 2016 (Pounds)	% Change 2015-2016	% Change 2014-2016
<b>On-Site Releases</b>						
Air (Total)	377,146.05	14,919.22	18,263.88	3,344.66	22.42%	-95.16%
Fugitive Air	367,385.97	5,720.00	5,713.40	-6.60	0.00%	-98.44%
Stack Air	9,760.08	9,199.22	12,550.48	3,351.26	34.34%	28.59%
Water	8,971.53	6,113.89	5,688.36	-425.54	-4.74%	-36.60%
Land	254,683.37	202,075.21	167,009.25	-35,065.96	-13.77%	-34.42%
<b>Total</b>	<b>640,800.95</b>	<b>223,108.33</b>	<b>190,961.49</b>	<b>-32,146.84</b>	<b>-5.02%</b>	<b>-70.20%</b>
<b>Off-Site Transfers</b>						
POTW	719.58	327.22	650.01	322.79	44.86%	-9.67%
Other Off-Site Transfers	818,379.94	804,529.14	747,294.09	-57,235.05	-6.99%	-8.69%
Recycling	719,920.12	686,842.46	652,750.44	-34,092.03	-4.74%	-9.33%
Energy Recovery	1,110.69	2,095.50	1,899.88	-195.62	-17.61%	71.05%
Other Treatment	14,673.10	2,748.36	3,255.70	507.34	3.46%	-77.81%
Disposal	82,676.03	112,842.82	89,388.08	-23,454.75	-28.37%	8.12%
<b>Total</b>	<b>819,099.52</b>	<b>804,856.36</b>	<b>747,944.10</b>	<b>-56,912.26</b>	<b>-6.95%</b>	<b>-8.69%</b>
<b>On-Site Management</b>						
Treated On-Site	8.10	8.10	8.10	0.00	0.00%	0.00%
Recycled On-Site	200,224.00	247,926.70	159,908.23	-88,018.47	-43.96%	-20.14%

<b>Management Activities</b>	<b>RY 2014 (Pounds)</b>	<b>RY 2015 (Pounds)</b>	<b>RY 2016 (Pounds)</b>	<b>Changes 2015- 2016 (Pounds)</b>	<b>% Change 2015-2016</b>	<b>% Change 2014-2016</b>
Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00%	0.00%
<b>Total</b>	<b>200,232.10</b>	<b>247,934.80</b>	<b>159,916.33</b>	<b>-88,018.47</b>	<b>-43.96%</b>	<b>-20.13%</b>
<b>Grand Total</b>	<b>1,660,132.57</b>	<b>1,275,899.49</b>	<b>1,098,821.92</b>	<b>-177,077.57</b>	<b>-13.88%</b>	<b>-33.81%</b>

## **Chapter Five - Conclusion**

The 2016 Virginia TRI Report is issued pursuant to Virginia Code §10.1-1186.1. The report has information on chemicals and chemical categories, activities involving their use, industrial sectors, facilities and facility locations (jurisdictions).

The report provides information concerning listed toxic chemicals and chemical categories that are manufactured, processed, or otherwise used at Virginia facilities, including amounts released to the environment, transferred off-site and managed on-site. Industry and the public can use the data in a variety of ways, including as a measurement of progress toward reduction targets. As noted previously the majority of the releases to the environment included in the TRI report occur under a federal or state permitting program determined to be protective of human health and the environment.

## Appendix A – Glossary of Terms

**Coincidental Manufacture** – Production of an EPCRA section 313 chemical as a byproduct or impurity as a result of the manufacture, processing, otherwise use, treatment, disposal, or other waste management of other chemical substances.

**Energy Recovery** – Recovery of useful energy from waste mainly through combustion of chemical waste.

**Facility** – Defined for the purposes of TRI reporting as all buildings, equipment, structures, and other stationary items which are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (entity).

**Fugitive (Non-Point) Air Releases** – Emissions to the air that are not conveyed through stacks, vents, ducts, pipes, or other confined air streams within the boundaries of a facility. Examples include equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills.

**Manufacture** – To produce, prepare, import, or compound a toxic chemical.

**North American Industry Classification System (NAICS)** - NAICS is the standard used by Federal statistical agencies which collect or publish data by industry. It is a system for classifying an establishment by type of economic activity.

**Off-Site Locations** – Locations outside the boundaries of a facility to which wastes are transported for treatment, energy recovery, recycling, or disposal.

**Otherwise Use** – Any use of a toxic chemical at a facility which is not covered by the definitions of manufacture or process. This includes any activities in which a listed toxic chemical does not become intentionally incorporated into the final product for distribution in commerce. Examples of otherwise use include degreasers, solvents in paints that are applied to a product, chemicals used in water treatment, and refrigerants or coolants.

**Persistent Bio-accumulative Toxic (PBT) chemical** – A chemical that is stable for a long period of time, and builds up in the environment, particularly in food chains.

**Publicly Owned Treatment Works (POTW)** – A wastewater treatment facility which is owned by a unit of the government.

**Process** – Refers to the preparation of a listed toxic chemical after its manufacture, for distribution in commerce. Processing is usually the intentional incorporation of a toxic chemical into a product. It includes making mixtures, repackaging, and using a toxic chemical as a feedstock, raw material, or starting material for making another chemical.

**Recycle** – The process of capturing a useful product from a waste stream. Solvent recovery, metals recovery, and acid regeneration are examples of recycling.

**Releases** – Refers to on-site discharges of TRI chemicals to the air, water, land, and disposal in underground injection wells (none in Virginia). They include permitted, accidental, and non-permitted discharges.

**Releases to Air** – See fugitive (non-point) air releases and stack (point source) air releases.

**Releases to Land** – Refers to land-filling, surface impoundment, land treatment/application farming or any other release of a toxic chemical to land within the boundaries of a facility.

**Releases to Water** – Refers to discharging of chemicals to surface waters such as rivers, lakes, ponds, and streams within the boundaries of a facility.

**Source Reduction/Pollution Prevention** – Activities that reduce the quantity and /or toxicity of wastes generated. Improved operation and maintenance, process and equipment modification, conservation practices, material substitution, product modification, and in-process recycling are examples of pollution prevention.

**Stack (Point Source) Air Releases** – Emissions to the air that are conveyed through stacks, vents, ducts, pipes, or other confined air streams within the boundaries of a facility. Examples include storage tank emissions and emissions from air pollution control equipment.

**Standard Industrial Classification Code (SIC Code)** – A four digit number code designated by the Federal Office of Management and Budget to describe the type of activity(s) at a facility. The first two numbers of the code define a major business sector, and the last two numbers define a facility's specialty within the major sector.

**Toxic** – A substance that produces or causes systemic damage to an organism.

**Transfers** – Refers to TRI chemicals sent off-site for energy recovery, recycling, treatment, or disposal. They are reported as transfers to either Publicly Owned Treatment Works (POTWs) or other off-site transfers (non-POTWs) such as incinerators, landfills, other treatment, recycling, energy recovery, or disposal facilities not part of the reporting facility.

## Appendix B – Supplementary Resources

Additional TRI data and individual facility information are available for the 1997 through 2011 reporting years. If you would like additional information on specific facilities or chemicals, please call the Virginia Department of Environmental Quality's SARA Title III Office at (804) 698-4467 or direct your request in writing to the Virginia Department of Environmental Quality, SARA Title III Office, P.O. Box 1105, Richmond, VA 23218.

1. TRI data can be accessed on the Internet through the Virginia Department of Environmental Quality SARA Title III Program web page:  
<http://www.deq.virginia.gov/Programs/Air/AirQualityPlanningEmissions/SARATitleIII/SARA313ToxicsReleaseInventory.aspx>
2. The Form Rs submitted by facilities within the state are on file at the Virginia Department of Environmental Quality. Any inquiries about Form R information or the TRI program in Virginia should be made to the SARA Title III Program Coordinator.
3. The Environmental Protection Agency's Toxic Release Reporting Center is the national repository for all TRI reports submitted to the EPA. The data is available on CD-ROM, magnetic tape, floppy disk, and microfiche. Copies of the reports were distributed to more than 3,000 libraries nationwide.
4. Any questions regarding the Emergency Planning and Community Right to Know Act (EPCRA) can be forwarded to EPA's toll free EPCRA call center. The phone numbers are: **(800) 424-9346, (703) 412-9810, or TDD (800) 553-7672.**
5. The Toxic Release Inventory – Made Easy Web (TRI-MEweb) includes instructions for on-line reporting and submittal of TRI reports. The TRI-MEweb Resources page on EPA's website contains guidance documents and tutorials to help facilities with TRI reporting. For more information visit EPA's TRI-MEweb website: <http://www.epa.gov/toxics-release-inventory-tri-program/tri-meweb-resources>.
6. **Right-to-Know Network (RTK NET)** offers access to TRI data, along with health facts for each TRI chemical, searchable nationwide TRI data. RTK NET promotes pollution prevention, data analyses, and communication among individuals concerned about toxics use reduction.  
<http://www.rtknet.org/>.
7. **ENVIROFACTS** integrates data extracted from several EPA programs, including TRI. ENVIROFACTS allows users to search the database by facility name, its location, by chemical, or by NAICS code. <http://www3.epa.gov/enviro/>.
8. **TRI Explorer** is another tool provided by EPA, which allows users to search TRI data by county, facility, chemical, etc. <http://www.epa.gov/triexplorer/>.
9. **EPCRA Section 313** program information and consolidated list of chemicals subject to EPCRA Section 313 and other federal programs, please visit EPA's website: <http://www.epa.gov/tri/>.

10. **EPA's Risk Screening Environmental Indicators (RSEI)** is a computer based model that uses TRI data for analysis of risk-related impacts of toxic chemical releases and transfers in the US.  
<http://www.epa.gov/opptintr/rsei/>.

## **Appendix C – TRI Covered Industry Groups by North American Industry Classification System**

TRI covered industry groups are identified by the following North American Industry Classification Systems (NAICS) sub-sector codes and general industry types:

211	Oil and Gas Extraction
212	Mining
221	Utilities
311	Food Manufacturing
312	Beverage and Tobacco Product Manufacturing
313	Textile Mills
314	Textile Product Mills
321	Wood Product Manufacturing
322	Paper Manufacturing
323	Printing and Related Support Activities
324	Petroleum and Coal Products Manufacturing
325	Chemical Manufacturing
326	Plastics and Rubber Products Manufacturing
331	Primary Metal Manufacturing
332	Fabricated Metal Product Manufacturing
333	Machinery Manufacturing
334	Computer and Electronic Product Manufacturing
335	Electrical Equipment, Appliance, and Component Manufacturing
336	Transportation Equipment Manufacturing
337	Furniture and Related Product Manufacturing
339	Miscellaneous Manufacturing
424	Merchant Wholesalers, Non Goods
562	Waste Management and Remediation Services
924	Administration of Environmental Quality Programs
927	Space Research and Technology
928	National Security and International Affairs



**APPENDIX D - 2016 VA TRI Reporting Forms**

Please note that the TRI reporting forms in this appendix are for reference only. Do not submit these forms to EPA. All facilities are required to submit their TRI data electronically using the TRI-MEweb application, per the TRI Electronic Reporting Rule. A link to the reporting rule language can be found at the following address: <http://www.epa.gov/toxics-release-inventory-tri-program/electronic-reporting-toxics-release-inventory-data>.

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<b>FORM R</b>		TRI Facility ID Number	
<b>Part II. CHEMICAL-SPECIFIC INFORMATION</b>		Toxic Chemical, Category, or Generic Name	
<b>SECTION 1. TOXIC CHEMICAL IDENTITY</b> (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)			
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)		
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)		
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)		
<b>SECTION 2. MIXTURE COMPONENT IDENTITY</b> (Important: DO NOT complete this section if you completed Section 1.)			
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)		
<b>SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY</b> (Important: Check all that apply.)			
3.1	Manufacture the toxic chemical:	3.2	Process the toxic chemical:
a. <input type="checkbox"/> Produce    b. <input type="checkbox"/> Import If Produce or Import c. <input type="checkbox"/> For on-site use/processing d. <input type="checkbox"/> For sale/distribution e. <input type="checkbox"/> As a byproduct f. <input type="checkbox"/> As an impurity		a. <input type="checkbox"/> As a reactant b. <input type="checkbox"/> As a formulation component c. <input type="checkbox"/> As an article component d. <input type="checkbox"/> Repackaging e. <input type="checkbox"/> As an impurity	
		3.3 Otherwise use the toxic chemical:	
		a. <input type="checkbox"/> As a chemical processing aid b. <input type="checkbox"/> As a manufacturing aid c. <input type="checkbox"/> Ancillary or other use	
<b>SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR</b>			
4.1	(Enter two digit code from instruction package.)		
<b>SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE</b>			
		A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (Enter code)
		C. Percent from Stormwater	
5.1	Fugitive or non-point air emissions	NA <input type="checkbox"/>	
5.2	Stack or point air emissions	NA <input type="checkbox"/>	
5.3	Discharges to receiving streams or water bodies (Enter one name per box)	NA <input type="checkbox"/>	
Stream or Water Body Name		Reach Code (optional)	
5.3.1			
5.3.2			
5.3.3			
If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box and indicate the Part II, Section 5.3 page number in this box. (Example: 1, 2, 3, etc.)			

EPA form 9350-1 (Rev. 06/2014) - Previous editions are obsolete.

\*For Dioxin or Dioxin-like compounds, report in grams/year.

\*\*Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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<b>FORM R</b>		TRI Facility ID Number	
<b>Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)</b>		Toxic Chemical, Category, or Generic Name	
<b>SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (continued)</b>			
	NA	A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (Enter code)
5.4-5.5 Disposal to land on-site			
5.4.1 Class I Underground Injection Wells	<input type="checkbox"/>		
5.4.2 Class II-V Underground Injection Wells	<input type="checkbox"/>		
5.5.1A RCRA Subtitle C landfills	<input type="checkbox"/>		
5.5.1B Other landfills	<input type="checkbox"/>		
5.5.2 Land treatment/application farming	<input type="checkbox"/>		
5.5.3A RCRA Subtitle C surface impoundments	<input type="checkbox"/>		
5.5.3B Other surface impoundments	<input type="checkbox"/>		
5.5.4 Other disposal	<input type="checkbox"/>		
<b>SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS</b>			
<b>6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)</b>		NA <input type="checkbox"/>	
6.1. POTW Name			
POTW Address			
City	County	State	ZIP
A. Quantity Transferred to this POTW (pounds/year*) (Enter range code** or estimate)		B. Basis of Estimate (Enter code)	
If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box <input type="text"/>			
and indicate the Part II, Section 6.1 page number in this box <input type="text"/> (Example: 1, 2, 3, etc.)			
<b>SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS</b>		NA <input type="checkbox"/>	
6.2. Off-Site EPA Identification Number (RCRA ID No.)			
Off-Site Location Name:			
Off-Site Address:			
City	County	State	ZIP
		Country (non-US)	
Is this location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No			

EPA form 9350-1 (Rev. 06/2014) - Previous editions are obsolete.

\*For Dioxin or Dioxin-like compounds, report in grams/year.  
\*\*Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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<b>FORM R</b>									
<b>Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)</b>									
								TRI Facility ID Number	
								Toxic Chemical, Category, or Generic Name	
<b>SECTION 6.2. TRANSFERS TO OTHER OFF-SITE LOCATION (CONTINUED)</b>									
<b>A. Total Transfer</b> (pounds/year*) (Enter a range code** or estimate)				<b>B. Basis of Estimate</b> (Enter code)				<b>C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery</b> (Enter code)	
1.				1.				1. M	
2.				2.				2. M	
3.				3.				3. M	
4.				4.				4. M	
6.2 Off-Site EPA Identification Number (RCRA ID No.)									
Off-Site Location Name:									
Off-Site Address:									
City		County		State		ZIP		Country (non-US)	
Is this location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No									
<b>A. Total Transfer</b> (pounds/year*) (Enter a range code** or estimate)				<b>B. Basis of Estimate</b> (Enter code)				<b>C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery</b> (Enter code)	
1.				1.				1. M	
2.				2.				2. M	
3.				3.				3. M	
4.				4.				4. M	
<b>SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY</b>									
<input type="checkbox"/> Not Applicable (NA) - Check here if no on-site waste treatment method is applied to any waste stream containing the toxic chemical or chemical category.									
<b>a. General Waste Stream</b> (Enter code)		<b>b. Waste Treatment Method(s) Sequence</b> (Enter 3- or 4-character code(s))						<b>c. Waste Treatment Efficiency</b> (Enter 2 character code)	
7A.1a		7A.1b		1		2		7A.1c	
		3		4		5			
		6		7		8			
7A.2a		7A.2b		1		2		7A.2c	
		3		4		5			
		6		7		8			
7A.3a		7A.3b		1		2		7A.3c	
		3		4		5			
		6		7		8			
7A.4a		7A.4b		1		2		7A.4c	
		3		4		5			
		6		7		8			
7A.5a		7A.5b		1		2		7A.5c	
		3		4		5			
		6		7		8			
If additional pages of Part II, Section 6.2/7.A are attached, indicate the total number of pages in this <input type="text"/> box and indicate the Part II, Section 6.2/7.A page number in this box. <input type="text"/> (Example: 1, 2, 3, etc.)									

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\*For Dioxin or Dioxin-like compounds, report in grams/year.

\*\*Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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<b>FORM R</b>		TRI Facility ID Number	
<b>Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)</b>		Toxic Chemical, Category, or Generic Name	
<b>SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES</b>			
<input type="checkbox"/> NA Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.			
Energy Recovery Methods (Enter 3-character code(s))			
1. <input style="width: 100px;" type="text"/>	2. <input style="width: 100px;" type="text"/>	3. <input style="width: 100px;" type="text"/>	
<b>SECTION 7C. ON-SITE RECYCLING PROCESSES</b>			
<input type="checkbox"/> NA Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.			
Recycling Methods (Enter 3-character code(s))			
1. <input style="width: 100px;" type="text"/>	2. <input style="width: 100px;" type="text"/>	3. <input style="width: 100px;" type="text"/>	
<b>SECTION 8. SOURCE REDUCTION AND WASTE MANAGEMENT</b>			
	Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)
	Column D Second Following Year (pounds/year*)		
<b>8.1 – 8.7 Production-Related Waste Managed</b>			
<b>8.1a</b>	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		
<b>8.1b</b>	Total other on-site disposal or other releases		
<b>8.1c</b>	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		
<b>8.1d</b>	Total other off-site disposal or other releases		
<b>8.2</b>	Quantity used for energy recovery on-site		
<b>8.3</b>	Quantity used for energy recovery off-site		
<b>8.4</b>	Quantity recycled on-site		
<b>8.5</b>	Quantity recycled off-site		
<b>8.6</b>	Quantity treated on-site		
<b>8.7</b>	Quantity treated off-site		
<b>8.8</b>	Non-production-related waste managed**		
<b>8.9</b>	<input type="checkbox"/> Production ratio or <input type="checkbox"/> Activity ratio (select one and enter value to right)		
<b>8.10</b> Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year?			
If so, complete the following section; if not, check NA. NA <input type="checkbox"/>			
	Source Reduction Activities (Enter code(s))	Methods to Identify Activity (Enter code(s))	
		Estimated annual reduction (Enter code(s)) (optional)	
<b>8.10.1</b>	a.	b.	d.
<b>8.10.2</b>	a.	b.	d.
<b>8.10.3</b>	a.	b.	d.
<b>8.10.4</b>	a.	b.	d.

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\*For Dioxin or Dioxin-like compounds, report in grams/year.

\*\*Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes

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FORM R	
Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	
SECTION 8.11. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RECYCLING ACTIVITIES	
8.11	If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, provide it here.
<div>DO NOT SUBMIT TO EPA</div>	
SECTION 9. MISCELLANEOUS INFORMATION	
9.1	If you wish to submit any miscellaneous, additional, or optional information regarding your Form R submission, provide it here.
<div>DO NOT SUBMIT TO EPA</div>	

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 United States Environmental Protection Agency		<b>FORM R Schedule 1</b>						TRI Facility ID Number	
		<b>PART II. CHEMICAL-SPECIFIC INFORMATION (continued)</b>							
<b>SECTION 5. QUANTITY OF DIOXIN AND DIOXIN-LIKE COMPOUNDS ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE</b>									
		5.1	NA		5.2	NA		5.3	Discharges to receiving streams or water bodies (Enter data for one stream or water body per box) NA <input type="text"/>
		Fugitive or non-point air emissions		Stack or point air emissions		5.3.1		5.3.2	5.3.3
D. Mass (grams) of each compound in the category (1-17)	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								
	15								
	16								
	17								
If additional pages of Section 5.3 are attached, indicate the total number of pages in this box <input type="text"/> and indicate the Section 5.3 page number in this box <input type="text"/> (Example: 1, 2, 3, etc.)									

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FORM R Schedule 1										TRI Facility ID Number						
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)																
SECTION 5. QUANTITY OF DIOXIN AND DIOXIN-LIKE COMPOUNDS ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE																
5.4 – 5.5 Disposal to land on-site																
	5.4.1	NA	5.4.2	NA	5.5.1.A	NA	5.5.1.B	NA	5.5.2	NA	5.5.3.A	NA	5.5.3.B	NA	5.5.4	NA
	Class I Underground Injection Wells		Class II-V Underground Injection Wells		RCRA Subtitle C landfills		Other landfills		Land treatment/ application farming		RCRA Subtitle C surface impoundments		Other surface impoundments		Other disposal	
C. Mass (grams) of each compound in the category (1-17)	1															
	2															
	3															
	4															
	5															
	6															
	7															
	8															
	9															
	10															
	11															
	12															
	13															
	14															
	15															
	16															
	17															

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<b>FORM R Schedule 1</b>												TRI Facility ID Number	
<b>PART II. CHEMICAL-SPECIFIC INFORMATION (continued)</b>													
<b>SECTION 6. TRANSFERS OF DIOXIN AND DIOXIN-LIKE COMPOUNDS IN WASTES TO OFF-SITE LOCATIONS</b>													
<b>6.1. DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs) NA</b>												<input type="text"/>	
<b>6.1.</b>		<b>C. Mass (grams) of Each Compound in the Category (1-17)</b>											
1	2	3	4	5	6	7	8	9					
10	11	12	13	14	15	16	17						
<b>6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS NA</b>												<input type="text"/>	
<b>6.2.</b>		<b>D. Mass (grams) of each compound in the category (1-17)</b>											
<b>1.</b>	1	2	3	4	5	6	7	8					
9	10	11	12	13	14	15	16	17					
<b>2.</b>	1	2	3	4	5	6	7	8					
9	10	11	12	13	14	15	16	17					
<b>3.</b>	1	2	3	4	5	6	7	8					
9	10	11	12	13	14	15	16	17					
<b>4.</b>	1	2	3	4	5	6	7	8					
9	10	11	12	13	14	15	16	17					
<b>6.2.</b>		<b>D. Mass (grams) of each compound in the category (1-17)</b>											
<b>1.</b>	1	2	3	4	5	6	7	8					
9	10	11	12	13	14	15	16	17					
<b>2.</b>	1	2	3	4	5	6	7	8					
9	10	11	12	13	14	15	16	17					
<b>3.</b>	1	2	3	4	5	6	7	8					
9	10	11	12	13	14	15	16	17					
<b>4.</b>	1	2	3	4	5	6	7	8					
9	10	11	12	13	14	15	16	17					
If additional pages of Section 6.1 or 6.2 are attached, indicate the total number of pages in this box <input style="width: 40px;" type="text"/>													
and indicate the Section 6.1 or 6.2 page number in this box <input style="width: 40px;" type="text"/> (Example: 1, 2, 3, etc.)													

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FORM R Schedule 1											TRI Facility ID Number
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)											
SECTIONS 8.1-8.8. WASTE MANAGEMENT QUANTITIES FOR DIOXIN AND DIOXIN-LIKE COMPOUNDS (current year only)											
8.1-8.7 Production-related waste managed											8.8 Non-production related waste managed*
8.1a	8.1b	8.1c	8.1d	8.2	8.3	8.4	8.5	8.6	8.7		
Total on-site disposal to Class 1 Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	Total other on-site disposal or other releases	Total off-site disposal to Class 1 Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	Total other off-site disposal or other releases	Quantity used for energy recovery on-site	Quantity used for energy recovery off-site	Quantity recycled on-site	Quantity recycled off-site	Quantity treated on-site	Quantity treated off-site		
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											

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\*Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes

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 <b>TOXICS RELEASE INVENTORY FORM A</b>	
TRI Facility ID Number	
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank.	
Revision (Enter up to two code(s)) <input type="text"/> <input type="text"/>	
Withdrawal (Enter up to two code(s)) <input type="text"/> <input type="text"/>	
<b>IMPORTANT:</b> See instructions to determine when "Not Applicable (NA)" boxes should be checked.	
<b>PART I. FACILITY IDENTIFICATION INFORMATION</b>	
<b>SECTION 1. REPORTING YEAR</b> _____	
<b>SECTION 2. TRADE SECRET INFORMATION</b>	
2.1 Are you claiming the toxic chemical identified on page 2 as a trade secret? <input type="checkbox"/> Yes (Answer question 2.2; attach substantiation forms)	<input type="checkbox"/> No (Do not answer 2.2; go to Section 3)
2.2 Is this copy <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized (Answer only if "Yes" in 2.1)	
<b>SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)</b>	
I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in this statement, the annual reportable amount as defined in 40 CFR 372.27(a), did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed, or otherwise used in an amount not exceeding 1 million pounds during this reporting year.	
Name and official title of owner/operator or senior management official:	Signature:
Date signed:	
<b>SECTION 4. FACILITY IDENTIFICATION</b>	
Facility or Establishment Name	TRI Facility ID Number
Physical Street Address	Mailing Address (if different from physical street address)
City/County/Tribe/State/ZIP Code	City/State/ZIP Code
Country (Non-US)	
4.2 This report contains information for: (Important: Check c or d if applicable) c. <input type="checkbox"/> A Federal facility d. <input type="checkbox"/> GOCO	
4.3 Technical Contact Name	Telephone Number (include area code and ext.)
Email Address	
4.4 Public Contact Name	Telephone Number (include area code and ext.)
Email Address	
4.5 NAICS Code(s) (6 digits)	Primary
a.	b. c. d. e. f.
4.6 Dun & Bradstreet Number(s) (9 digits)	a.
	b.
<b>SECTION 5. PARENT COMPANY INFORMATION</b>	
5.1 Name of U.S. Parent Company (for TRI Reporting purposes)	No U.S. Parent Company (for TRI Reporting purposes) <input type="checkbox"/>
5.2 Parent Company's Dun & Bradstreet Number	NA <input type="checkbox"/>

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EPA FORM A		TRI Facility ID Number
PART II. CHEMICAL IDENTIFICATION		
Do not use this form for reporting PBT chemicals, including Dioxin and Dioxin-like Compounds*		
SECTION 1. TOXIC CHEMICAL IDENTITY		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)	
SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
SECTION 1. TOXIC CHEMICAL IDENTITY		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)	
SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
SECTION 1. TOXIC CHEMICAL IDENTITY		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)	
SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
SECTION 1. TOXIC CHEMICAL IDENTITY		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)	
SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	

\*See the TRI Reporting Forms and Instructions manual for the list of PBT Chemicals (including Dioxin and Dioxin-like Compounds)

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(Make additional copies of this page, if needed)

## **Appendix E -VA TRI Historical Trend**

Since its inception, the TRI program has been expanding and evolving, providing more information to the public about the presence and release of toxic and hazardous chemicals in communities. As a result, over the past 29 years, major regulatory changes have occurred that have made the direct historical comparison of releases from 1988 to 2016 difficult and potentially misleading. The information in Appendix E is historical and for general comparison purposes only.

During the early years of the program there were no major reporting changes. From 1988 until 1994 the consistency between reporting sectors and chemicals made comparison straightforward.

The first major change in reporting requirements was the addition of 286 chemicals and chemical categories to the TRI list beginning with reporting year 1995. The addition of chemicals in reporting year 1995 created a new baseline for TRI comparisons. A second major change was the inclusion of seven new non-manufacturing sectors (sectors that had not previously reported) to the TRI facility coverage beginning in the 1998 reporting year. With this change, 1998 became the new baseline for historical comparison. The third major change began with reporting year 2000, when seven chemicals and two chemical categories were added to the TRI chemical list. These chemicals, and chemical categories must be subtracted from reporting year 2000, 2001, and 2002 data to make comparisons to 1998 and 1999 more accurate. A fourth major change for reporting year 2011 was the inclusion of 16 new chemicals to the list of reportable chemicals. Of the 16 new chemicals which were added, 4 of these are classified as Polycyclic Aromatic Compounds (PACs). PACs are Persistent Bio-accumulative Toxins (PBTs) chemicals, and as such, they are likely to remain in the environment for a very long time, are not readily destroyed, and may build up or accumulate in body tissue. Hydrogen Sulfide was added to the list in reporting year 2012 following the lifting of an administrative stay on October 17, 2012. Ortho-Nitrotoluene was added to the list in reporting year 2015 following a final rule published by EPA which became effective on November 29, 2013. The Nonylphenol category of chemicals was added to the 2016 reporting year chemicals list in a final rule effective on September 20, 2015.

It should be noted beginning with reporting year 2001, lead and lead compounds were re-designated as PBT chemicals, and the threshold for reporting was reduced to 100 pounds. This caused facilities to submit more reports for lead and lead compounds for reporting years 2001 and 2002.

Table E-1 shows the amounts of releases to each media for reporting years 2003 through 2016 (without specified PBTs, or vanadium and vanadium compounds). Facility revisions for previous reporting years were not included in this comparison of on-site releases.

# Appendix E

## 2016 Toxics Release Inventory

**Table E-1. On-Site Releases Comparison from 2003 – 2016** (from Section 5 of Form R)

Media	2003 (pounds)	2004 (pounds)	2005 (pounds)	2006 (pounds)	2007 (pounds)	2008 (pounds)	2009 (pounds)	2010 (pounds)	2011 (pounds)	2012 (pounds)	2013 (pounds)	2014 (pounds)	2015 (pounds)	2016 (pounds)	Percent Change 2003 - 2016
Air	50,962,772	48,124,542	41,167,066	41,273,390	39,390,601	29,770,387	26,946,032	24,617,658	19,972,183	18,404,743	20,651,917.51	20,388,755	18,020,039	19,006,314	-62.71%
Water	8,199,535	8,681,965	9,880,733	19,258,326	18,322,290	20,284,859	18,301,212	17,687,071	16,714,204	11,763,752	11,707,977.42	11,164,687	11,535,717	13,566,967	65.46%
Land	5,612,934	5,612,934	4,865,708	4,913,540	4,430,778	2,947,122	3,312,996	3,247,285	2,545,232	2,515,236	3,695,523.74	3,637,625	2,939,038	3,249,165	-42.11%
Total	64,775,241	62,419,441	55,913,507	65,445,255	62,143,669	53,002,368	48,560,240	78,463,236	39,231,618	32,683,731	36,055,418.67	35,191,067	32,494,794	35,822,446	-44.70%

Chapter Four of the Virginia 2015 TRI Report covers the reporting period 2014 to 2016, and it includes all chemicals and chemical compounds, and all facility revisions received through January 5, 2018.

## **Appendix F - 2016 Summary of Facilities, Chemical Releases, Transfers, and Management (Non-PBT)**

# Appendix F-2016 Summary of Facilities, Chemical Releases, Transfers, and Management (Non-PBT)

## Alphabetical Listing by Facility Within Each County/Independent City

### 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>ACCOMACK</b>	<b>KMX CHEMICAL CORP</b>							<b>30474 ENERGY DR</b>				<b>NAICS Code</b>	<b>32519</b>
ETHYLENE GLYCOL	N	750	5	755	0	0	755	0	0	0	0	0	0
METHANOL	N	250	250	500	0	0	500	0	0	0	0	0	0
Total for KMX CHEMICAL CORP		<b>1,000</b>	<b>255</b>	<b>1,255</b>	<b>0</b>	<b>0</b>	<b>1,255</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ACCOMACK</b>	<b>PERDUE FARMS ACCOMAC PROCESSING PLANT</b>							<b>22520 LANKFORD HWY</b>				<b>NAICS Code</b>	<b>31161</b>
HYDROGEN SULFIDE	N	83,880	0	83,880	0	0	83,880	0	0	585,460	585,460	0	0
NITRATE COMPOUNDS	N	0	0	0	0	699,640	699,640	0	0	0	0	0	0
PERACETIC ACID	N	0	0	0	0	29	29	0	0	58,320	58,320	0	0
Total for PERDUE FARMS ACCOMAC PROCESSIN		<b>83,880</b>	<b>0</b>	<b>83,880</b>	<b>0</b>	<b>699,669</b>	<b>783,549</b>	<b>0</b>	<b>0</b>	<b>643,780</b>	<b>643,780</b>	<b>0</b>	<b>0</b>
<b>ACCOMACK</b>	<b>TYSON FARMS INC-TEMPERANCEVILLE</b>							<b>11224 LANKFORD HWY</b>				<b>NAICS Code</b>	<b>31161</b>
AMMONIA	N	250	2,435	2,685	0	51	2,736	0	0	25,972	25,972	0	0
NITRATE COMPOUNDS	N	0	0	0	0	31,002	31,002	0	0	4,223,733	4,223,733	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0	0	154,443	154,443	0	0
Total for TYSON FARMS INC-TEMPERANCEVILLE		<b>250</b>	<b>2,435</b>	<b>2,685</b>	<b>0</b>	<b>31,053</b>	<b>33,738</b>	<b>0</b>	<b>0</b>	<b>4,404,148</b>	<b>4,404,148</b>	<b>0</b>	<b>0</b>
Total for Above County : (8 reports)		<b>85,130</b>	<b>2,690</b>	<b>87,820</b>	<b>0</b>	<b>730,722</b>	<b>818,542</b>	<b>0</b>	<b>0</b>	<b>5,047,928</b>	<b>5,047,928</b>	<b>0</b>	<b>0</b>
<b>ALBEMARLE</b>	<b>INTERNATIONAL COLD STORAGE</b>							<b>5678 HEARDS MOUNTAIN RD</b>				<b>NAICS Code</b>	<b>33341</b>
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for INTERNATIONAL COLD STORAGE		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

\* A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBT chemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filing a Form A, no amounts are reported but by default the appendix lists them as zero.

\*\* TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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\*\*\* BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDS; APPENDIX H INCLUDES BOTH SUBMISSIONS HOWEVER THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.



# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>AMELIA</b>	AMELIA LUMBER CO INC							8680 CROWDER ST				NAICS Code	32111
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for AMELIA LUMBER CO INC		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 reports)		0	0	0	0	0	0	0	0	0	0	0	0
<b>AMHERST</b>	GREIF PACKAGING LLC							861 FIBRE PLANT RD				NAICS Code	32211
ACETALDEHYDE	N	3,019	37,676	40,695	0	0	40,695	46,017	0	18,328	64,345	0	0
METHANOL	N	6,737	264,545	271,282	0	0	271,282	50,379	0	91,640	142,019	0	0
NITRATE COMPOUNDS	N	0	0	0	0	3,360	3,360	0	0	206,252	206,252	0	0
Total for GREIF PACKAGING LLC		9,756	302,221	311,977	0	3,360	315,337	96,396	0	316,220	412,616	0	0
Total for Above County : (3 reports)		9,756	302,221	311,977	0	3,360	315,337	96,396	0	316,220	412,616	0	0
<b>ARLINGTON</b>	ALLIED AVIATION FUELING CO INC							RONALD REAGAN NATIONAL AIRPORT				NAICS Code	42471
BENZENE	N	0	311	311	0	0	311	0	0	0	0	0	57
BIPHENYL	N	1	1	2	0	0	2	0	0	0	0	0	14
CYCLOHEXANE	N	0	315	315	0	0	315	0	0	0	0	0	57
ETHYLBENZENE	N	7	317	324	0	0	324	0	0	0	0	0	57
METHYL TERT-BUTYL ETHER	N	0	623	623	0	0	623	0	0	0	0	0	113
NAPHTHALENE	N	15	348	363	0	0	363	0	0	0	0	0	469
N-HEXANE	N	0	311	311	0	0	311	0	0	0	0	0	25

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
TOLUENE	N	0	1,556	1,556	0	0	1,556	0	0	0	0	0	283
XYLENE (MIXED ISOMERS)	N	0	1,245	1,245	0	0	1,245	0	0	0	0	0	226
Total for ALLIED AVIATION FUELING CO INC		23	5,027	5,050	0	0	5,050	0	0	0	0	0	1,300
ARLINGTON PENT RESERVATION								N ROTARY RD				NAICS Code 92811	
1,2,4-TRIMETHYLBENZENE	N	0	29,517	29,517	0	0	29,517	0	0	0	0	0	0
BIPHENYL	N	0	29,517	29,517	0	0	29,517	0	0	0	0	0	0
ETHYLBENZENE	N	0	14,775	14,775	0	0	14,775	0	0	0	0	0	0
NAPHTHALENE	N	0	29,555	29,555	0	0	29,555	0	0	0	0	0	0
Total for PENT RESERVATION		0	103,364	103,364	0	0	103,364	0	0	0	0	0	0
ARLINGTON VIRGINIA CONCRETE SHIRLINGTON PLANT								2651 SHIRLINGTON RD				NAICS Code 32732	
NITRATE COMPOUNDS	N	0	0	0	0	180	180	0	0	0	0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	180	180	0	0	0	0	0	0
Total for VIRGINIA CONCRETE SHIRLINGTON PLA		0	0	0	0	360	360	0	0	0	0	0	0
Total for Above County : (15 reports)		23	108,391	108,414	0	360	108,774	0	0	0	0	0	1,300
AUGUSTA ACCUTEC BLADES, INC.								57 RAZOR BLADE LN				NAICS Code 33299	
AMMONIA	N	603	40	643	0	0	643	0	0	0	0	0	0
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	42,727
Total for ACCUTEC BLADES, INC.		603	40	643	0	0	643	0	0	0	0	0	42,727
AUGUSTA BALL ADVANCED ALUMINUM TECHNOLOGIES CORP								56 DUNSMORE RD				NAICS Code 33152	
ALUMINUM (FUME OR DUST)	N	0	13,000	13,000	0	0	13,000	0	0	0	0	0	44,000
Total for BALL ADVANCED ALUMINUM TECHNOLO		0	13,000	13,000	0	0	13,000	0	0	0	0	0	44,000
AUGUSTA CERRO FABRICATED PRODUCTS INC								300 TRIANGLE DR				NAICS Code 33272	

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
COPPER	N	0	0	0	0	0	0	0	0	0	0	35	2,881
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	3,022	0
NITRIC ACID	N	4	1,852	1,856	0	0	1,856	0	0	40,448	40,448	0	0
Total for CERRO FABRICATED PRODUCTS INC		4	1,852	1,856	0	0	1,856	0	0	40,448	40,448	3,057	2,881
<b>AUGUSTA</b>	<b>DAIKIN APPLIED</b>							<b>207 LAUREL HILL RD</b>				<b>NAICS Code</b>	<b>33341</b>
COPPER	N	1	0	1	0	9	10	0	0	0	0	246	72,281
MANGANESE COMPOUNDS	N	23	0	23	0	0	23	0	0	0	0	0	6,590
SODIUM NITRITE	N	0	0	0	0	0	0	0	0	0	0	11,527	231
Total for DAIKIN APPLIED		24	0	24	0	9	33	0	0	0	0	11,773	79,102
<b>AUGUSTA</b>	<b>DEGESCH AMERICA INC</b>							<b>153 TRIANGLE DR</b>				<b>NAICS Code</b>	<b>32532</b>
ALUMINUM PHOSPHIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	873	873	0	0	873	0	0	0	0	0	0
PHOSPHINE	N	0	326	326	0	0	326	0	0	0	0	0	0
Total for DEGESCH AMERICA INC		0	1,199	1,199	0	0	1,199	0	0	0	0	0	0
<b>AUGUSTA</b>	<b>FLINT GROUP NA CORP</b>							<b>106 TRIANGLE DR</b>				<b>NAICS Code</b>	<b>32591</b>
BARIUM COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for FLINT GROUP NA CORP		0	0	0	0	0	0	0	0	0	0	0	0
<b>AUGUSTA</b>	<b>GROTTOES PLASTICS PLANT</b>							<b>149 GRAND CAVERNS DRIVE</b>				<b>NAICS Code</b>	<b>32611</b>
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	282	0	282	0	351
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	282	0	282	0	351
Total for Grottoes Plastics Plant		0	0	0	0	0	0	0	564	0	564	0	702
<b>AUGUSTA</b>	<b>INVISTA SA RL-WAYNESBORO FACILITY</b>							<b>400 DU PONT BLVD</b>				<b>NAICS Code</b>	<b>32522</b>

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
DIISOCYANATES	N	18	0	18	0	0	18	0	0	0	0	0	6,038
NITRATE COMPOUNDS	N	0	0	0	0	13,000	13,000	0	0	73,000	73,000	0	0
Total for INVISTA SA RL-WAYNESBORO FACILITY		18	0	18	0	13,000	13,018	0	0	73,000	73,000	0	6,038
<b>AUGUSTA MASTIC HOME EXTERIORS STUARTS DRAFT</b>								<b>185 JOHNSON DR</b>				<b>NAICS Code 32619</b>	
ANTIMONY COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MASTIC HOME EXTERIORS STUARTS D		0	0	0	0	0	0	0	0	0	0	0	0
<b>AUGUSTA NIBCO OF VIRGINIA INC.</b>								<b>131 JOHNSON DRIVE</b>				<b>NAICS Code 33211</b>	
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	1	22,449
COPPER	N	7,842	4,666	12,508	0	17	12,525	0	0	0	0	15	227,844
Total for NIBCO OF VIRGINIA INC.		7,842	4,666	12,508	0	17	12,525	0	0	0	0	16	250,293
<b>AUGUSTA REXNORD INDUSTRIES LLC</b>								<b>150 JOHNSON DR</b>				<b>NAICS Code 33361</b>	
AMMONIA	N	0	3,643	3,643	0	0	3,643	0	0	0	0	0	0
Total for REXNORD INDUSTRIES LLC		0	3,643	3,643	0	0	3,643	0	0	0	0	0	0
<b>AUGUSTA SHAMROCK FOODS DAIRY DIV VERONA VIRGINIA</b>								<b>318 MILL PL PKWY</b>				<b>NAICS Code 31151</b>	
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	40,701	36,631
NITRIC ACID	N	5	0	5	0	0	5	0	0	41,319	41,319	0	0
Total for SHAMROCK FOODS DAIRY DIV VERONA		5	0	5	0	0	5	0	0	41,319	41,319	40,701	36,631
<b>AUGUSTA SUNLITE PLASTICS INC.</b>								<b>846 KEEZLETOWN RD</b>				<b>NAICS Code 32619</b>	
DI(2-ETHYLHEXYL) PHTHALATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUNLITE PLASTICS INC.		0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air			On-Site	Recovery			On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
													(pounds)
Total for Above County : (26 reports)		8,496	24,400	32,896	0	13,026	45,923	0	564	154,767	155,331	55,547	462,373
<b>BEDFORD</b>		<b>BLUE RIDGE WOOD PRESERVING INC.</b>						<b>1220 HENDRICKS STORE RD</b>				<b>NAICS Code 32111</b>	
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for BLUE RIDGE WOOD PRESERVING INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>BEDFORD</b>		<b>GEORGIA-PACIFIC BIG ISLAND MILL</b>						<b>9363 LEE-JACKSON HWY</b>				<b>NAICS Code 32212</b>	
ACETALDEHYDE	N	1,600	54,000	55,600	12	920	56,532	0	0	62,251	62,251	0	0
AMMONIA	N	500	8,867	9,367	0	1,200	10,567	0	0	0	0	0	0
BARIUM COMPOUNDS	N	0	120	120	9,600	5,000	14,720	0	0	0	0	0	0
HYDROGEN SULFIDE	N	14,600	0	14,600	1	1	14,602	0	0	120,000	120,000	0	0
MANGANESE COMPOUNDS	N	0	34	34	40,100	2,200	42,334	0	0	0	0	0	0
METHANOL	N	2,800	291,000	293,800	50	910	294,760	0	0	467,703	467,703	0	0
NITRATE COMPOUNDS	N	0	0	0	0	5,200	5,200	0	0	0	0	0	0
Total for GEORGIA-PACIFIC BIG ISLAND MILL		19,500	354,021	373,521	49,763	15,431	438,715	0	0	649,954	649,954	0	0
<b>BEDFORD</b>		<b>WHEELABRATOR ABRASIVES INC</b>						<b>1 ABRASIVE AVE</b>				<b>NAICS Code 32791</b>	
CHROMIUM	N	0	0	0	779	0	779	0	0	0	0	0	126,204
MANGANESE	N	0	0	0	2,375	0	2,375	0	0	0	0	0	254,835
NICKEL	N	0	0	0	1,530	0	1,530	0	0	0	0	0	145,620
Total for WHEELABRATOR ABRASIVES INC		0	0	0	4,684	0	4,684	0	0	0	0	0	526,659
Total for Above County : (11 reports)		19,500	354,021	373,521	54,447	15,431	443,399	0	0	649,954	649,954	0	526,659
<b>BLAND</b>		<b>ABB INC</b>						<b>171 INDUSTRY DRIVE</b>				<b>NAICS Code 33531</b>	
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	437,363
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	20,414

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Chemical Name	form A*												
NICKEL COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	2	11,500
Total for ABB INC		0	0	0	0	0	0	0	0	0	0	3	469,277
<b>BLAND</b>	<b>PASCOR ATLANTIC CORP</b>							<b>254 INDUSTRY DR</b>				<b>NAICS Code</b>	<b>33531</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	19,572
Total for PASCOR ATLANTIC CORP		0	0	0	0	0	0	0	0	0	0	0	19,572
Total for Above County : (4 reports)		0	0	0	0	0	0	0	0	0	0	3	488,849
<b>BOTETOURT</b>	<b>ALTEC INDUSTRIES, INC.</b>							<b>325 SOUTH CENTER DRIVE</b>				<b>NAICS Code</b>	<b>33621</b>
MANGANESE	N	73	0	73	0	0	73	0	0	0	0	0	43,600
Total for ALTEC INDUSTRIES, INC.		73	0	73	0	0	73	0	0	0	0	0	43,600
<b>BOTETOURT</b>	<b>DYNAX AMERICA CORP</b>							<b>568 E PARK DR</b>				<b>NAICS Code</b>	<b>33635</b>
HYDROCHLORIC ACID (1995 AND	N	0	1,316	1,316	0	0	1,316	0	0	47,763	47,763	0	0
METHANOL	N	37,938	11,234	49,172	0	0	49,172	0	0	1,026,768	1,026,768	0	10,223
PHENOL	N	4,028	910	4,938	0	0	4,938	0	0	104,589	104,589	0	1,239
Total for DYNAX AMERICA CORP		41,966	13,460	55,426	0	0	55,426	0	0	1,179,120	1,179,120	0	11,462
<b>BOTETOURT</b>	<b>GALA INDUSTRIES INC.</b>							<b>181 PAULEY ST</b>				<b>NAICS Code</b>	<b>33324</b>
CHROMIUM	N	5	0	5	0	0	5	0	0	0	0	0	23,320
Total for GALA INDUSTRIES INC.		5	0	5	0	0	5	0	0	0	0	0	23,320
<b>BOTETOURT</b>	<b>GENERAL SHALE BRICK INC PLANT 35 &amp; 36</b>							<b>2353 WEBSTER RD</b>				<b>NAICS Code</b>	<b>32712</b>
HYDROCHLORIC ACID (1995 AND	N	0	36,920	36,920	0	0	36,920	0	0	2,718	2,718	0	0
HYDROGEN FLUORIDE	N	0	12,820	12,820	0	0	12,820	0	0	113,801	113,801	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GENERAL SHALE BRICK INC PLANT 35 &		0	49,740	49,740	0	0	49,740	0	0	116,519	116,519	0	0

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air form A* (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name													
BOTETOURT METALSA ROANOKE INC.								184 VISTA DR				NAICS Code	33639
MANGANESE	N	0	7	7	0	0	7	0	0	0	0	1	2,204
NICKEL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for METALSA ROANOKE INC.		0	7	7	0	0	7	0	0	0	0	1	2,204
BOTETOURT ROANOKE CEMENT CO LLC								6071 CATAWBA RD				NAICS Code	32731
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND	N	0	12,127	12,127	0	0	12,127	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	364	123	487	1,389	20	1,896	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER	N	0	32,963	32,963	0	0	32,963	0	0	0	0	0	0
Total for ROANOKE CEMENT CO LLC		364	45,213	45,577	1,389	20	46,986	0	0	0	0	0	0
BOTETOURT VIRGINIA TRANSFORMER CORP								201 TRANSFORMER WAY				NAICS Code	33531
XYLENE (MIXED ISOMERS)	N	4,725	4,239	8,964	0	0	8,964	0	975	0	975	0	0
Total for VIRGINIA TRANSFORMER CORP		4,725	4,239	8,964	0	0	8,964	0	975	0	975	0	0
Total for Above County : (15 reports)		47,133	112,659	159,792	1,389	20	161,201	0	975	1,295,639	1,296,614	1	80,586
BRISTOL (CITY) STRONGWELL CORP BRISTOL								400 COMMONWEALTH AVE				NAICS Code	32619
ANTIMONY	N	0	181	181	0	0	181	0	0	0	0	0	0
STYRENE	N	34,966	0	34,966	0	0	34,966	0	0	0	0	0	4,035
Total for STRONGWELL CORP BRISTOL		34,966	181	35,147	0	0	35,147	0	0	0	0	0	4,035
Total for Above County : (2 reports)		34,966	181	35,147	0	0	35,147	0	0	0	0	0	4,035
BRUNSWICK REDLAND BRICK INC-LAWRENCEVILLE PLANT								16024 GOVERNOR HARRISON PKWY				NAICS Code	32712
HYDROGEN FLUORIDE	N	0	364	364	0	0	364	0	0	36,428	36,428	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
MANGANESE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for REDLAND BRICK INC-LAWRENCEVILLE		0	364	364	0	0	364	0	0	36,428	36,428	0	0
Total for Above County : (2 reports)		0	364	364	0	0	364	0	0	36,428	36,428	0	0
<b>BUCHANAN JEWELL COKE CO LP</b>								<b>1034 DISMAL RIVER RD</b>				<b>NAICS Code</b>	<b>33111</b>
HYDROCHLORIC ACID (1995 AND	N	0	1,463,413	1,463,413	0	0	1,463,413	0	0	0	0	0	0
Total for JEWELL COKE CO LP		0	1,463,413	1,463,413	0	0	1,463,413	0	0	0	0	0	0
Total for Above County : (1 record)		0	1,463,413	1,463,413	0	0	1,463,413	0	0	0	0	0	0
<b>BUCKINGHAM BEAR GARDEN GENERATING STATION</b>								<b>2608 C.G. WOODSON ROAD</b>				<b>NAICS Code</b>	<b>22111</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	10,100	10,100	0	0	10,100	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for BEAR GARDEN GENERATING STATION		0	10,100	10,100	0	0	10,100	0	0	0	0	0	0
Total for Above County : (4 reports)		0	10,100	10,100	0	0	10,100	0	0	0	0	0	0
<b>BUENA VISTA (CITY) EVERBRITE LLC</b>								<b>627 E 30TH ST</b>				<b>NAICS Code</b>	<b>33995</b>
COPPER	N	0	5	5	0	0	5	0	0	0	0	0	13,133
MANGANESE	N	0	1	1	0	0	1	0	0	0	0	0	2,684
Total for EVERBRITE LLC		0	6	6	0	0	6	0	0	0	0	0	15,817
Total for Above County : (2 reports)		0	6	6	0	0	6	0	0	0	0	0	15,817
<b>CAMPBELL BANKER STEEL COMPANY, LLC</b>								<b>351 RANGOON ROAD</b>				<b>NAICS Code</b>	<b>33231</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	31,927

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Chemical Name	form A*												
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	65,994
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	58,048
Total for BANKER STEEL COMPANY, LLC		0	0	0	0	0	0	0	0	0	0	0	155,969
<b>CAMPBELL</b>		<b>BWXT NUCLEAR OPERATIONS GROUP, INC.</b>						<b>1570 MOUNT ATHOS RD</b>				<b>NAICS Code 33241</b>	
CHROMIUM COMPOUNDS(EXCEPT	N	12	76	89	2	8	98	0	0	0	0	0	114
COPPER COMPOUNDS	N	0	17	17	87	375	479	0	0	0	0	0	109,066
HYDROGEN FLUORIDE	N	0	147	147	0	0	147	0	757	73,118	73,875	0	2,195
NICKEL COMPOUNDS	N	3	155	158	1	2	161	0	0	0	0	0	48
NITRATE COMPOUNDS	N	0	0	0	0	420,118	420,118	0	0	937,343	937,343	0	212,870
NITRIC ACID	N	17	2,697	2,714	0	0	2,714	0	6,762	952,462	959,224	0	719,380
Total for BWXT NUCLEAR OPERATIONS GROUP, I		32	3,092	3,125	89	420,503	423,716	0	7,519	1,962,923	1,970,442	0	1,043,672
<b>CAMPBELL</b>		<b>GEORGIA-PACIFIC WOOD PRODUCTS LLC - BROOKNEAL OSB</b>						<b>11795 BROOKNEAL HIGHWAY</b>				<b>NAICS Code 32121</b>	
ACETALDEHYDE	N	0	4,100	4,100	0	0	4,100	0	0	41,000	41,000	0	0
FORMALDEHYDE	N	0	13,000	13,000	110	0	13,110	0	0	83,000	83,000	3	0
MANGANESE COMPOUNDS	N	0	250	250	0	0	250	0	0	0	0	0	3,000
METHANOL	N	0	63,000	63,000	0	0	63,000	0	0	200,000	200,000	0	0
PHENOL	N	0	3,000	3,000	0	0	3,000	0	0	15,000	15,000	0	0
Total for GEORGIA-PACIFIC WOOD PRODUCTS L		0	83,350	83,350	110	0	83,460	0	0	339,000	339,000	3	3,000
<b>CAMPBELL</b>		<b>SCHRADER-BRIDGEPORT INTERNATIONAL</b>						<b>205 FRAZIER RD</b>				<b>NAICS Code 33639</b>	
COPPER	N	0	0	0	0	5	5	0	0	0	0	0	1,327,070
Total for SCHRADER-BRIDGEPORT INTERNATION		0	0	0	0	5	5	0	0	0	0	0	1,327,070
Total for Above County : (15 reports)		32	86,442	86,475	199	420,508	507,181	0	7,519	2,301,923	2,309,442	3	2,529,711

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Chemical Name	form A*												
<b>CAROLINE</b>	<b>HOOVER TREATED WOOD PRODUCTS, INC</b>							<b>18315 HOUSE DR</b>				<b>NAICS Code</b>	<b>32199</b>
ARSENIC COMPOUNDS	N	0	0	0	0	16	16	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	N	0	0	0	0	13	13	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	0	0	0	10	10	0	0	0	0	0	0
FORMALDEHYDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for HOOVER TREATED WOOD PRODUCTS, I		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CAROLINE</b>	<b>JCI JONES CHEMICALS INC.</b>							<b>16248 INDUSTRIAL DR</b>				<b>NAICS Code</b>	<b>42469</b>
CHLORINE	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for JCI JONES CHEMICALS INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CAROLINE</b>	<b>LADYSMITH COMBUSTION TURBINE STATION</b>							<b>8063 CEDON RD</b>				<b>NAICS Code</b>	<b>22111</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for LADYSMITH COMBUSTION TURBINE STA		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CAROLINE</b>	<b>US ARMY FORT AP HILL RANGES (PART)</b>							<b>19952 NORTH RANGE RD</b>				<b>NAICS Code</b>	<b>92811</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	0
NITROGLYCERIN	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for US ARMY FORT AP HILL RANGES (PART)		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (10 reports)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CARROLL</b>	<b>VAUGHAN-BASSETT FURNITURE CO. GALAX</b>							<b>300 E GRAYSON ST</b>				<b>NAICS Code</b>	<b>33712</b>
CERTAIN GLYCOL ETHERS	N	1,565	8,869	10,434	0	0	10,434	0	0	0	0	0	1,176
METHANOL	N	1,984	11,244	13,229	0	0	13,229	0	0	0	0	0	3,416

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Chemical Name	form A*												
TOLUENE	N	8,650	49,132	57,782	0	0	57,782	0	0	0	0	0	11,028
Total for VAUGHAN-BASSETT FURNITURE CO. GA		12,199	69,246	81,445	0	0	81,445	0	0	0	0	0	15,620
Total for Above County : (3 reports)		12,199	69,246	81,445	0	0	81,445	0	0	0	0	0	15,620
<b>CHESAPEAKE (CITY)</b>	<b>AMERICAN GFM CORP</b>							<b>1200 CAVALIER BLVD</b>				<b>NAICS Code</b>	<b>33351</b>
AMMONIA	N	0	6,438	6,438	0	0	6,438	0	0	0	0	0	0
Total for AMERICAN GFM CORP		0	6,438	6,438	0	0	6,438	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>	<b>ELIZABETH RIVER COMBUSTION TURBINE STATION</b>							<b>2837 S MILITARY HWY</b>				<b>NAICS Code</b>	<b>22111</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for ELIZABETH RIVER COMBUSTION TURBI		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>	<b>FLOWSERVE US INC</b>							<b>3900 COOK BLVD</b>				<b>NAICS Code</b>	<b>33391</b>
CHROMIUM	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for FLOWSERVE US INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>	<b>MITSUBISHI CHEMICAL COMPOSITES AMERICA</b>							<b>401 VOLVO PKWY</b>				<b>NAICS Code</b>	<b>33281</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	4,824
Total for MITSUBISHI CHEMICAL COMPOSITES A		0	0	0	0	0	0	0	0	0	0	0	4,824
<b>CHESAPEAKE (CITY)</b>	<b>PERDUE FARMS INC-CHESAPEAKE GRAIN</b>							<b>501A BARNES RD</b>				<b>NAICS Code</b>	<b>31122</b>
N-HEXANE	N	85,019	189,236	274,255	0	0	274,255	0	0	0	0	144	144
Total for PERDUE FARMS INC-CHESAPEAKE GRA		85,019	189,236	274,255	0	0	274,255	0	0	0	0	144	144

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Chemical Name	form A*												
CHESAPEAKE (CITY)	SAFETY-KLEEN SYSTEMS CHESAPEAKE (CPK)							4545 BAINBRIDGE BLVD				NAICS Code	56211
ETHYLENE GLYCOL	N	0	1	1	0	0	1	0	0	0	0	0	39,037
Total for SAFETY-KLEEN SYSTEMS CHESAPEAKE		0	1	1	0	0	1	0	0	0	0	0	39,037
CHESAPEAKE (CITY)	US/NAVY NAVAL SUPPORT ACTIVITY NORTHWEST ANNEX RANGE							1320 NW BLVD SUITE 100				NAICS Code	92811
NAPHTHALENE	N	0	1	1	0	0	1	0	0	0	0	0	4
Total for US/NAVY NAVAL SUPPORT ACTIVITY NO		0	1	1	0	0	1	0	0	0	0	0	4
Total for Above County : (11 reports)		85,019	195,676	280,695	0	0	280,695	0	0	0	0	144	44,009
CHESTERFIELD	ALERIS ROLLED PRODUCTS INC							1701 REYMET RD				NAICS Code	33131
ALUMINUM (FUME OR DUST)	N	3,355	6,644	9,999	0	0	9,999	0	0	0	0	0	807,644
Total for ALERIS ROLLED PRODUCTS INC		3,355	6,644	9,999	0	0	9,999	0	0	0	0	0	807,644
CHESTERFIELD	BELLWOOD PRINTING PLANT							2001 REYMET RD				NAICS Code	32311
AMMONIA	N	5,356	5,356	10,712	0	0	10,712	0	0	0	0	0	0
Total for BELLWOOD PRINTING PLANT		5,356	5,356	10,712	0	0	10,712	0	0	0	0	0	0
CHESTERFIELD	CHESTERFIELD POWER STATION							500 COXENDALE RD				NAICS Code	22111
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	6	6	0	15,000	15,006	0	0	0	0	0	0
ARSENIC COMPOUNDS	N	0	200	200	42,000	48	42,248	0	0	0	0	0	0
BARIUM COMPOUNDS	N	0	75	75	400,000	320	400,395	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	340	340	71,000	2	71,342	0	0	0	0	0	0
COBALT COMPOUNDS	N	0	77	77	25,000	5	25,082	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	16	16	81,000	450	81,466	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND	N	0	610,000	610,000	0	0	610,000	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
HYDROGEN FLUORIDE	N	0	77,000	77,000	0	0	77,000	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	0	420	420	100,000	77	100,497	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL COMPOUNDS	N	0	200	200	72,000	22	72,222	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER	N	0	99,000	99,000	0	0	99,000	0	0	0	0	0	0
VANADIUM COMPOUNDS	N	0	39	39	150,000	0	150,039	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	490	490	90,000	890	91,380	0	0	0	0	0	0
Total for CHESTERFIELD POWER STATION		0	787,863	787,863	3031,000	16,814	1,835,677	0	0	0	0	0	0
<b>CHESTERFIELD</b>								<b>1851 TOUCHSTONE RD</b>				<b>NAICS Code</b>	<b>32629</b>
AMMONIA	N	28,225	529,085	557,310	0	0	557,310	0	0	0	0	719	431
NITRATE COMPOUNDS	N	0	168	168	0	0	168	0	0	0	0	67,207	63,476
Total for CHURCH & DWIGHT CO INC		28,225	529,253	557,478	0	0	557,478	0	0	0	0	67,926	63,908
<b>CHESTERFIELD</b>								<b>U.S. HWY 1 AT COGBILL RD</b>				<b>NAICS Code</b>	<b>32522</b>
1,3-PHENYLENEDIAMINE	N	0	0	0	0	0	0	0	0	0	0	0	3,647
AMMONIA	N	12,063	2,975	15,038	0	12,526	27,564	0	0	2,761	2,761	0	14,146
CHLOROFORM	N	497	5,096	5,593	0	13	5,606	0	0	778	778	0	0
DIMETHYLAMINE	N	11,990	0	11,990	0	33,031	45,021	0	0	72,404	72,404	0	0
NITRATE COMPOUNDS	N	0	0	0	0	61,707	61,707	0	0	0	0	0	0
N-METHYL-2-PYRROLIDONE	N	0	47,800	47,800	0	4,882	52,682	0	0	38,421	38,421	0	717,334
P-PHENYLENEDIAMINE	N	0	0	0	0	0	0	0	0	0	0	0	6,918
TOLUENE	N	21,821	23,639	45,460	0	9	45,469	0	0	0	0	0	10,896
TRICHLOROFLUOROMETHANE	N	99,431	7,890	107,321	0	9	107,330	0	0	9	9	0	0

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Chemical Name	form A*												
Total for DUPONT SPRUANCE PLANT		145,802	87,400	233,202	0	112,177	345,379	0	0	114,373	114,373	0	752,941
<b>CHESTERFIELD</b>	<b>DUPONT TEIJIN FILMS</b>							<b>3600 DISCOVERY DR</b>				<b>NAICS Code</b>	<b>32521</b>
ACETALDEHYDE	N	0	98,613	98,613	0	944	99,557	0	0	12,035	12,035	2,159	1,943
ANTIMONY COMPOUNDS	N	0	0	0	0	25	25	0	0	0	0	10	34
ETHYLENE GLYCOL	N	0	1,208	1,208	0	137	1,345	0	0	560,624	560,624	93,292	81,164
METHANOL	N	3,820	22,127	25,947	0	14	25,961	0	0	80	80	16	16
Total for DUPONT TEIJIN FILMS		3,820	121,948	125,768	0	1,120	126,888	0	0	572,739	572,739	95,477	83,157
<b>CHESTERFIELD</b>	<b>ETERNAL TECHNOLOGY CORP</b>							<b>1800 TOUCHSTONE RD</b>				<b>NAICS Code</b>	<b>32599</b>
TOLUENE	N	7	25	33	0	0	33	2,534	0	0	2,534	0	191
Total for ETERNAL TECHNOLOGY CORP		7	25	33	0	0	33	2,534	0	0	2,534	0	191
<b>CHESTERFIELD</b>	<b>GE ALSTOM RICHMOND SERVICE CENTER</b>							<b>1200 WILLIS RD</b>				<b>NAICS Code</b>	<b>33361</b>
CHROMIUM	N	23	0	23	0	2	25	0	0	0	0	0	22,005
COPPER	N	0	0	0	0	3	3	0	0	0	0	0	30,005
NICKEL	N	79	0	79	0	1	80	0	0	0	0	0	2,005
Total for GE ALSTOM RICHMOND SERVICE CENT		102	0	102	0	6	108	0	0	0	0	0	54,015
<b>CHESTERFIELD</b>	<b>HONEYWELL INTERNATIONAL COLONIAL HEIGHTS PLANT</b>							<b>15801 WOODS EDGE RD</b>				<b>NAICS Code</b>	<b>32522</b>
FREON 113	N	217,315	54,317	271,632	0	0	271,632	0	332,199,151	0	332,199,151	0	898
Total for HONEYWELL INTERNATIONAL COLONIA		217,315	54,317	271,632	0	0	271,632	0	332,199,151	0	332,199,151	0	898
<b>CHESTERFIELD</b>	<b>INDUSTRIAL CHEMICALS INC</b>							<b>2540 BELLWOOD RD</b>				<b>NAICS Code</b>	<b>42469</b>
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for INDUSTRIAL CHEMICALS INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESTERFIELD</b>	<b>PHILIP MORRIS USA PARK 500 SITE</b>							<b>4100 BERMUDA HUNDRED RD</b>				<b>NAICS Code</b>	<b>31223</b>

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Chemical Name	form A*												
AMMONIA	N	3,241	320,917	324,158	0	181	324,339	0	0	2,834	2,834	0	739
CHLORINE	N	0	0	0	0	0	0	0	0	5,053	5,053	0	0
NICOTINE AND SALTS	N	180	17,985	18,165	0	20	18,185	0	0	100,208	100,208	0	92,102
NITRATE COMPOUNDS	N	0	0	0	0	1,939	1,939	0	0	140,288	140,288	0	0
Total for PHILIP MORRIS USA PARK 500 SITE		<b>3,421</b>	<b>338,902</b>	<b>342,323</b>	<b>0</b>	<b>2,140</b>	<b>344,463</b>	<b>0</b>	<b>0</b>	<b>248,383</b>	<b>248,383</b>	<b>0</b>	<b>92,841</b>
<b>CHESTERFIELD</b>	<b>SABRA DIPPING CO LLC</b>							<b>15900 SABRA WAY</b>				<b>NAICS Code</b>	<b>31199</b>
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	65,000	58,500
NITRIC ACID	N	0	0	0	0	0	0	0	0	66,412	66,412	0	0
Total for SABRA DIPPING CO LLC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>66,412</b>	<b>66,412</b>	<b>65,000</b>	<b>58,500</b>
<b>CHESTERFIELD</b>	<b>SAFETY-KLEEN SYSTEMS CHESTER (CVA)</b>							<b>1200 W 100 RD</b>				<b>NAICS Code</b>	<b>56211</b>
ETHYLENE GLYCOL	N	0	3	3	0	0	3	0	0	0	0	0	168,858
Total for SAFETY-KLEEN SYSTEMS CHESTER (CV		<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>168,858</b>
<b>CHESTERFIELD</b>	<b>SUPER RADIATOR COILS</b>							<b>451 SOUTHLAKE BLVD</b>				<b>NAICS Code</b>	<b>33341</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	15,409
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	10,120
Total for SUPER RADIATOR COILS		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25,529</b>
<b>CHESTERFIELD</b>	<b>TRIDENT AMERICAS</b>							<b>833 LIBERTY WAY</b>				<b>NAICS Code</b>	<b>33281</b>
COPPER	N	0	659	659	0	0	659	0	0	0	0	0	0
Total for TRIDENT AMERICAS		<b>0</b>	<b>659</b>	<b>659</b>	<b>0</b>	<b>0</b>	<b>659</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CHESTERFIELD</b>	<b>UNIVAR USA INC CHESTER FACILIT Y</b>							<b>1001 OLD BERMUDA HUNDRED RD</b>				<b>NAICS Code</b>	<b>42469</b>
CERTAIN GLYCOL ETHERS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHYL ISOBUTYL KETONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
M-XYLENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N,N-DIMETHYLFORMAMIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-BUTYL ALCOHOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	N	23	450	473	0	0	473	0	0	0	0	0	6,825
Total for UNIVAR USA INC CHESTER FACILIT Y		<b>23</b>	<b>450</b>	<b>473</b>	<b>0</b>	<b>0</b>	<b>473</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,825</b>
<b>CHESTERFIELD</b>		<b>US DEFENSE LOGISTICS AGENCY DEFENSE SUPPLY CENTER RICH</b>						<b>8000 JEFFERSON DAVIS HWY</b>				<b>NAICS Code</b>	<b>42512</b>
BROMOCHLORODIFLUOROMETHA	N	738	0	738	0	0	738	0	0	0	0	0	0
BROMOTRIFLUOROMETHANE	N	352	0	352	0	0	352	0	0	0	0	0	0
CHLORODIFLUOROMETHANE	N	94	0	94	0	0	94	0	0	0	0	0	0
DICHLORODIFLUOROMETHANE (C	N	81	0	81	0	0	81	0	0	0	0	0	0
DICHLOROTETRAFLUROETHANE	N	207	0	207	0	0	207	0	0	0	0	0	0
TRICHLOROFLUOROMETHANE	N	44	0	44	0	0	44	0	0	0	0	0	0
Total for US DEFENSE LOGISTICS AGENCY DEFE		<b>1,516</b>	<b>0</b>	<b>1,516</b>	<b>0</b>	<b>0</b>	<b>1,516</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CHESTERFIELD</b>		<b>VEOLIA JAMES RIVER PLANT</b>						<b>1201 BELLWOOD RD</b>				<b>NAICS Code</b>	<b>32518</b>
HYDROGEN SULFIDE	N	152	0	152	0	0	152	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER	N	2,799	11,922	14,721	0	0	14,721	0	0	0	0	0	0
Total for VEOLIA JAMES RIVER PLANT		<b>2,951</b>	<b>11,922</b>	<b>14,873</b>	<b>0</b>	<b>0</b>	<b>14,873</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CHESTERFIELD</b>		<b>WAKO CHEMICALS USA INC</b>						<b>1600 BELLWOOD RD</b>				<b>NAICS Code</b>	<b>32519</b>
AMMONIA	N	250	250	500	0	0	500	0	0	28,000	28,000	3,000	3,000

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Chemical Name	form A*												
HYDROCHLORIC ACID (1995 AND	N	400	750	1,150	0	0	1,150	0	0	15,400	15,400	0	0
METHANOL	N	750	18,000	18,750	0	0	18,750	0	0	70,000	70,000	9,400	253,930
TOLUENE	N	250	3,000	3,250	0	0	3,250	0	0	7,100	7,100	0	46,238
Total for WAKO CHEMICALS USA INC		1,650	22,000	23,650	0	0	23,650	0	0	120,500	120,500	12,400	303,168
Total for Above County : (71 reports)		413,543	1,966,742	2,380,285	31,000	132,257	3,543,542	2,534	332,199	1,122,407	333,324	240,803	2,418,474
<b>CLARKE GRIFFITH ENERGY SERVICES INC-BERRYVILLE</b>								<b>618 E MAIN ST</b>				<b>NAICS Code 45431</b>	
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GRIFFITH ENERGY SERVICES INC-BERR		0	0	0	0	0	0	0	0	0	0	0	0
<b>CLARKE HUNT COUNTRY PROPANE</b>								<b>535 JACK ENDERS BLVD</b>				<b>NAICS Code 45431</b>	
PROPYLENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for HUNT COUNTRY PROPANE		0	0	0	0	0	0	0	0	0	0	0	0
<b>CLARKE TRELLEBORG MARINE SYSTEMS USA, INC.</b>								<b>532 JACK ENDERS BLVD</b>				<b>NAICS Code 32619</b>	
TOLUENE-2,4-DIISOCYANATE	N	0	21	21	0	0	21	0	0	0	0	0	743
Total for TRELLEBORG MARINE SYSTEMS USA, I		0	21	21	0	0	21	0	0	0	0	0	743
Total for Above County : (5 reports)		0	21	21	0	0	21	0	0	0	0	0	743
<b>COLONIAL HEIGHTS (CITY) METL-SPAN A DIV OF NCI GROUP INC</b>								<b>1703 RUFFIN MILL RD</b>				<b>NAICS Code 33231</b>	
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for METL-SPAN A DIV OF NCI GROUP INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>COLONIAL HEIGHTS (CITY) SUN CHEMICAL CORP</b>								<b>16000 CONTINENTAL BLVD</b>				<b>NAICS Code 32591</b>	

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
COPPER	N	8	8	16	0	0	16	0	0	0	0	0	0
Total for SUN CHEMICAL CORP		8	8	16	0	0	16	0	0	0	0	0	0
Total for Above County : (2 reports)		8	8	16	0	0	16	0	0	0	0	0	0
<b>COVINGTON (CITY)</b>		<b>INGEVITY VIRGINIA CORPORATION</b>						<b>958 EAST RIVERSIDE STREET</b>				<b>NAICS Code</b>	<b>32599</b>
ACETALDEHYDE	N	0	45,000	45,000	510	1,500	47,010	3,600	0	110,000	113,600	0	0
AMMONIA	N	260	210,000	210,260	0	500	210,760	0	0	420,000	420,000	0	0
BARIUM COMPOUNDS	N	0	1,700	1,700	42,000	0	43,700	0	0	0	0	0	0
CATECHOL	N	0	0	0	24	23	47	0	0	340	340	0	0
CHLORINE	N	10	480	490	0	0	490	0	0	87,000	87,000	0	0
CHLORINE DIOXIDE	N	5	3,900	3,905	0	0	3,905	0	0	460,000	460,000	0	0
CRESOL (MIXED ISOMERS)	N	0	16,000	16,000	620	1	16,621	1,200	0	21,000	22,200	0	0
FORMALDEHYDE	N	0	15,000	15,000	1,400	450	16,850	50	0	6,000	6,050	0	0
FORMIC ACID	N	0	0	0	2	120	122	0	0	200	200	0	0
HYDROCHLORIC ACID (1995 AND	N	0	200,000	200,000	0	0	200,000	0	0	290,000	290,000	0	0
HYDROGEN SULFIDE	N	9,900	71,000	80,900	12,000	5	92,905	0	0	1,500,000	1,500,000	0	0
MANGANESE COMPOUNDS	N	0	510	510	140,000	40,000	180,510	0	0	0	0	0	0
METHANOL	N	0	1,400,000	1,400,000	11,000	1,200	1,412,200	480,000	0	22,000,000	22,480,000	0	0
NITRATE COMPOUNDS	N	0	0	0	81	0	81	0	0	0	0	0	0
PHENOL	N	0	37,000	37,000	410	1	37,411	290	0	7,900	8,190	0	0
SULFURIC ACID (1994 AND AFTER	N	0	110,000	110,000	0	0	110,000	0	0	97,000	97,000	0	0
VANADIUM COMPOUNDS	N	0	12	12	23,000	620	23,632	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	480	480	40,000	1,700	42,180	0	0	0	0	0	0
Total for Ingevity Virginia Corporation		10,175	2,111,082	2,121,257	271,047	46,120	2,438,424	485,140	0	24,999,440	25,484,580	0	0

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (18 reports)		10,175	2,111,082	2,121,257	271,047	46,120	2,438,424	485,140	0	24,999,440	25,484,580	0	0
<b>CULPEPER</b>	<b>BINGHAM &amp; TAYLOR</b>							<b>601 NALLE PL</b>				<b>NAICS Code</b>	<b>33151</b>
CHROMIUM	N	0	1	1	0	0	1	0	0	0	0	0	8,508
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	4,810
MANGANESE	N	0	7	7	0	0	7	0	0	0	0	0	15,118
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	9,708
Total for BINGHAM & TAYLOR		0	8	8	0	0	8	0	0	0	0	0	38,143
<b>CULPEPER</b>	<b>CULPEPER WOOD PRESERVERS</b>							<b>15487 BRAGGS CORNER RD</b>				<b>NAICS Code</b>	<b>32111</b>
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CULPEPER WOOD PRESERVERS		0	0	0	0	0	0	0	0	0	0	0	0
<b>CULPEPER</b>	<b>MASCO CABINETRY LLC</b>							<b>641 MADDOX DR</b>				<b>NAICS Code</b>	<b>33711</b>
XYLENE (MIXED ISOMERS)	N	0	13,963	13,963	0	0	13,963	0	0	0	0	0	2,892
Total for MASCO CABINETRY LLC		0	13,963	13,963	0	0	13,963	0	0	0	0	0	2,892
<b>CULPEPER</b>	<b>QUARLES PETROLEUM INC. CULPEPER BULK PLANT</b>							<b>15427 BRANDY RD</b>				<b>NAICS Code</b>	<b>42471</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM INC. CULPEPER		0	0	0	0	0	0	0	0	0	0	0	0
<b>CULPEPER</b>	<b>TE CONNECTIVITY</b>							<b>751 OLD BRANDY RD</b>				<b>NAICS Code</b>	<b>33149</b>

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
CHROMIUM	N	0	1	1	0	0	1	0	0	0	0	0	16,270
COPPER	N	0	0	0	0	0	0	0	0	0	0	3	146,301
MANGANESE	N	0	2	2	0	0	2	0	0	0	0	0	40,784
NICKEL	N	0	2	2	0	0	2	0	0	0	0	0	9,098
ZINC (FUME OR DUST)	N	0	0	0	0	0	0	0	0	0	0	0	65,023
Total for TE CONNECTIVITY		0	5	5	0	0	5	0	0	0	0	3	277,475
Total for Above County : (17 reports)		0	13,976	13,976	0	0	13,976	0	0	0	0	3	318,511
<b>CUMBERLAND</b>		<b>GEMINI-FARMVILLE</b>						<b>102 HAUSCHILD DR</b>				<b>NAICS Code 33995</b>	
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEMINI-FARMVILLE		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>DANVILLE (CITY)</b>		<b>THE GOODYEAR TIRE &amp; RUBBER CO.</b>						<b>1901 GOODYEAR BLVD</b>				<b>NAICS Code 32621</b>	
COBALT COMPOUNDS	N	0	3	3	0	0	3	0	0	0	0	0	3,818
ZINC COMPOUNDS	N	0	254	254	0	107	361	0	0	0	0	2,369	425,452
Total for THE GOODYEAR TIRE & RUBBER CO.		0	257	257	0	107	364	0	0	0	0	2,369	429,270
Total for Above County : (2 reports)		0	257	257	0	107	364	0	0	0	0	2,369	429,270
<b>DINWIDDIE</b>		<b>CHAPARRAL (VA) INC</b>						<b>25801 HOFHEIMER WAY</b>				<b>NAICS Code 33111</b>	
CHROMIUM COMPOUNDS(EXCEPT	N	11	16	27	0	7	34	0	0	0	0	0	31,011
COPPER COMPOUNDS	N	0	0	0	0	11	11	0	0	0	0	0	26,725
MANGANESE COMPOUNDS	N	90	75	165	0	0	165	0	0	0	0	0	246,025
NICKEL COMPOUNDS	N	1	51	52	0	0	52	0	0	0	0	0	7,014

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
ZINC COMPOUNDS	N	0	0	0	0	49	49	0	0	0	0	0	5,131,390
Total for CHAPARRAL (VA) INC		102	142	244	0	67	311	0	0	0	0	0	5,442,165
<b>DINWIDDIE</b>								<b>26317 SIMPSON RD</b>				<b>NAICS Code</b>	<b>32732</b>
NITRATE COMPOUNDS	N	0	0	0	0	16	16	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC-PETE		0	0	0	0	16	16	0	0	0	0	0	0
<b>DINWIDDIE</b>								<b>25805 HOFHEIMER WAY</b>				<b>NAICS Code</b>	<b>56292</b>
COPPER	N	22	0	22	0	0	22	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	38	0	38	0	0	38	0	0	0	0	0	0
NICKEL	N	7	0	7	0	0	7	0	0	0	0	0	0
Total for TMS INTERNATIONAL, LLC		68	0	68	0	0	68	0	0	0	0	0	0
Total for Above County : (9 reports)		170	142	312	0	83	394	0	0	0	0	0	5,442,165
<b>FAIRFAX</b>								<b>1000 COLONIAL FARM RD</b>				<b>NAICS Code</b>	<b>92811</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for BUSH CENTER FOR INTELLIGENCE (CIA)		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b>								<b>12601 FAIR LAKES CIR</b>				<b>NAICS Code</b>	<b>32791</b>
1,1,1,2-TETRACHLORO-2-FLUOROE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CGI FEDERAL INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b>								<b>8413 TERMINAL RD</b>				<b>NAICS Code</b>	<b>32732</b>
NITRATE COMPOUNDS	N	0	0	0	0	279	279	0	0	0	0	0	0
Total for NEWINGTON CONCRETE PLANT		0	0	0	0	279	279	0	0	0	0	0	0
<b>FAIRFAX</b>								<b>8000 RESEARCH WAY</b>				<b>NAICS Code</b>	<b>32591</b>
CERTAIN GLYCOL ETHERS	N	402	0	402	0	0	402	0	0	0	0	0	1,000

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Appendix F

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
PHTHALIC ANHYDRIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE DIISOCYANATE (MIXED	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for SICPA SECURINK CORP		402	0	402	0	0	402	0	0	0	0	0	1,000
<b>FAIRFAX</b> TITAN VIRGINIA READY-MIX LLC-CENTREVILLE PLANT								15718 LEE HWY				NAICS Code	32732
NITRATE COMPOUNDS	N	0	0	0	0	30	30	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-CENTR		0	0	0	0	30	30	0	0	0	0	0	0
<b>FAIRFAX</b> TITAN VIRGINIA READY-MIX LLC-SPRINGFIELD PLANT								6600 ELECTRONIC DR				NAICS Code	32732
NITRATE COMPOUNDS	N	0	0	0	0	58	58	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-SPRING		0	0	0	0	58	58	0	0	0	0	0	0
<b>FAIRFAX</b> US ARMY GARRISON FORT BELVOIR								9430 JACKSON LOOP				NAICS Code	92811
ETHYLBENZENE	N	2	2	4	0	0	4	0	0	0	0	0	4
NAPHTHALENE	N	0	8	8	0	0	8	0	0	0	0	0	18
Total for US ARMY GARRISON FORT BELVOIR		2	10	12	0	0	12	0	0	0	0	0	22
<b>FAIRFAX</b> VIRGINIA CONCRETE EDSALL ROAD PLANT								5412 INDUSTRIAL DR				NAICS Code	32732
NITRATE COMPOUNDS	N	0	0	0	0	152	152	0	0	0	0	0	0
Total for VIRGINIA CONCRETE EDSALL ROAD PL		0	0	0	0	152	152	0	0	0	0	0	0
Total for Above County : (11 reports)		404	10	414	0	519	933	0	0	0	0	0	1,022
<b>FAIRFAX (CITY)</b> MOTIVA FAIRFAX TERMINAL								3800 PICKETT RD				NAICS Code	42471
1,2,4-TRIMETHYLBENZENE	N	38	14	52	0	0	52	0	0	0	0	0	0
BENZENE	N	77	157	234	0	0	234	0	0	0	0	0	0
CUMENE	N	3	8	11	0	0	11	0	0	0	0	0	0
ETHYLBENZENE	N	78	37	115	0	0	115	0	0	0	0	0	0

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Chemical Name	form A*												
NAPHTHALENE	N	5	5	10	0	0	10	0	0	0	0	0	0
N-HEXANE	N	133	265	398	0	0	398	0	0	0	0	0	0
STYRENE	N	2	4	6	0	0	6	0	0	0	0	0	0
TOLUENE	N	188	342	530	0	0	530	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	491	182	673	0	0	673	0	0	0	0	0	0
Total for MOTIVA FAIRFAX TERMINAL		1,015	1,014	2,029	0	0	2,029	0	0	0	0	0	0
Total for Above County : (9 reports)		1,015	1,014	2,029	0	0	2,029	0	0	0	0	0	0
FAUQUIER DOMINION REMINGTON POWER STATION								12025 LUCKY HILL ROAD				NAICS Code	22111
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for DOMINION REMINGTON POWER STATIO		0	0	0	0	0	0	0	0	0	0	0	0
FAUQUIER FIBERGLASS ENGINEERING CO								5019 AIRPORT RD				NAICS Code	32619
STYRENE	N	6,814	0	6,814	0	0	6,814	0	0	0	0	0	0
Total for FIBERGLASS ENGINEERING CO		6,814	0	6,814	0	0	6,814	0	0	0	0	0	0
FAUQUIER OLD DOMINION ELECTRIC CO-OP MARSH RUN GENERATION FACIL								12109 LUCKY HILL RD				NAICS Code	22111
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLD DOMINION ELECTRIC CO-OP MARS		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (7 reports)		6,814	0	6,814	0	0	6,814	0	0	0	0	0	0
FRANKLIN BLUE RIDGE SOLVENTS & COATINGS								3800 ORIGINAL HENRY RD				NAICS Code	32551

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Chemical Name	form A*												
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for BLUE RIDGE SOLVENTS & COATINGS		0	0	0	0	0	0	0	0	0	0	0	0
<b>FRANKLIN</b>	<b>FLEETWOOD HOMES OF VIRGINIA INC 19-2</b>							<b>90 WEAVER ST</b>				<b>NAICS Code</b>	<b>32199</b>
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for FLEETWOOD HOMES OF VIRGINIA INC 1		0	0	0	0	0	0	0	0	0	0	0	0
<b>FRANKLIN</b>	<b>GREAT SOUTHERN WOOD - VA, INC.</b>							<b>1050 N MAIN ST</b>				<b>NAICS Code</b>	<b>32111</b>
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GREAT SOUTHERN WOOD - VA, INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>FRANKLIN</b>	<b>MW MANUFACTURERS INC</b>							<b>433 N MAIN ST</b>				<b>NAICS Code</b>	<b>32191</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	6,735
Total for MW MANUFACTURERS INC		0	0	0	0	0	0	0	0	0	0	0	6,735
<b>Total for Above County : (6 reports)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,735</b>
<b>FREDERICK</b>	<b>FISHER SCIENTIFIC INTERNATIONAL MTN DIAGNOSTICS PLANT</b>							<b>8365 VALLEY PIKE</b>				<b>NAICS Code</b>	<b>32541</b>
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	2,976
Total for FISHER SCIENTIFIC INTERNATIONAL MT		0	0	0	0	0	0	0	0	0	0	0	2,976
<b>FREDERICK</b>	<b>HP HOOD LLC</b>							<b>160 HOOD WAY</b>				<b>NAICS Code</b>	<b>31151</b>
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	96,150	86,535
NITRIC ACID	N	0	0	0	0	0	0	0	0	71,271	71,271	0	0
PERACETIC ACID	N	250	250	500	0	0	500	0	0	32,936	32,936	0	0
Total for HP HOOD LLC		<b>250</b>	<b>250</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>104,207</b>	<b>104,207</b>	<b>96,150</b>	<b>86,535</b>

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
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Chemical Name	form A*												
FREDERICK	KINGSPAN INSULATION LLC							172 PACTIV WAY				NAICS Code	32614
METHANOL	N	33,780	0	33,780	0	0	33,780	0	0	0	0	0	0
Total for KINGSPAN INSULATION LLC		33,780	0	33,780	0	0	33,780	0	0	0	0	0	0
FREDERICK	QG PRINTING II CORP							160 CENTURY LN STONEWALL IND US TRIANA				NAICS Code	32311
CERTAIN GLYCOL ETHERS	N	7,817	365	8,182	0	0	8,182	0	0	17,875	17,875	0	0
ETHYLENE GLYCOL	N	4,116	192	4,308	0	0	4,308	0	0	9,412	9,412	0	0
Total for QG PRINTING II CORP		11,933	557	12,490	0	0	12,490	0	0	27,288	27,288	0	0
FREDERICK	QUARLES PETROLEUM INC. WINCHESTER BULK PLANT							779 SMITHFIELD AVE				NAICS Code	42471
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM INC. WINCHEST		0	0	0	0	0	0	0	0	0	0	0	0
FREDERICK	TREX - VIRGINIA MANUFACTURING OPERATIONS							3229 SHAWNEE DRIVE				NAICS Code	32619
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for TREX - VIRGINIA MANUFACTURING OPE		0	0	0	0	0	0	0	0	0	0	0	0
FREDERICK	VALLEY PROTEINS INC-WINCHESTER FACILITY							1635 INDIAN HOLLOW RD				NAICS Code	31161
CHLORINE DIOXIDE	N	0	0	0	15,848	0	15,848	0	0	0	0	0	0
Total for VALLEY PROTEINS INC-WINCHESTER F		0	0	0	15,848	0	15,848	0	0	0	0	0	0
Total for Above County : (14 reports)		45,963	807	46,770	15,848	0	62,618	0	0	131,495	131,495	96,150	89,511
FREDERICKSBURG (CITY)	ONDULINE NA							4900 ONDURA DR				NAICS Code	32212

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
CERTAIN GLYCOL ETHERS	N	632	20,492	21,124	0	0	21,124	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	0	0	0	0	0	0	0	1,128
Total for ONDULINE NA		632	20,492	21,124	0	0	21,124	0	0	0	0	0	1,128
Total for Above County : (2 reports)		632	20,492	21,124	0	0	21,124	0	0	0	0	0	1,128
<b>GALAX (CITY)</b>		<b>CONSOLIDATED GLASS &amp; MIRROR</b>						<b>110 JACK GUYNN DR</b>				<b>NAICS Code</b>	<b>32721</b>
N-BUTYL ALCOHOL	N	2,740	9,548	12,288	0	0	12,288	0	0	0	0	0	59
Total for CONSOLIDATED GLASS & MIRROR		2,740	9,548	12,288	0	0	12,288	0	0	0	0	0	59
Total for Above County : (1 record)		2,740	9,548	12,288	0	0	12,288	0	0	0	0	0	59
<b>GILES</b>		<b>CELANESE ACETATE LLC - CELCO P LANT</b>						<b>3520 VIRGINIA AVE</b>				<b>NAICS Code</b>	<b>32522</b>
1,3-BUTADIENE	N	250	250	500	0	0	500	26,339	0	0	26,339	0	0
ACETAMIDE	N	0	0	0	0	250	250	0	0	151,814	151,814	0	0
ACETONITRILE	N	2,709	75	2,783	0	35	2,819	22,817	0	34,200	57,017	0	14
AMMONIA	N	0	29,445	29,445	0	1,349	30,794	0	0	10,069	10,069	0	0
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
CYCLOHEXANE	N	126,627	10,106	136,733	0	0	136,733	55,674	0	0	55,674	0	14
DICHLOROMETHANE	N	29,971	0	29,971	0	0	29,971	0	0	0	0	0	0
ETHYLENE	N	2,948	624	3,572	0	0	3,572	623,780	0	0	623,780	0	0
NITRATE COMPOUNDS	N	0	0	0	0	63,191	63,191	0	0	0	0	0	0
Total for CELANESE ACETATE LLC - CELCO P LA		162,505	40,500	203,004	0	64,825	267,830	728,610	0	196,083	924,693	0	29
<b>GILES</b>		<b>LHOIST NA OF VIRGINIA INC KIMBALLTON AREA 1</b>						<b>2093 BIG STONY CREEK RD</b>				<b>NAICS Code</b>	<b>32741</b>
HYDROCHLORIC ACID (1995 AND	N	0	67,679	67,679	0	0	67,679	0	0	0	0	0	0
NICKEL COMPOUNDS	N	2	8	10	7,798	0	7,808	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
VANADIUM COMPOUNDS	N	1	2	3	17,068	0	17,071	0	0	0	0	0	0
Total for LHOIST NA OF VIRGINIA INC KIMBALLTO		3	67,689	67,692	24,866	0	92,558	0	0	0	0	0	0
Total for Above County : (12 reports)		162,508	108,189	270,696	24,866	64,825	360,388	728,610	0	196,083	924,693	0	29
<b>GREENSVILLE</b>	<b>CREATIVE PLAYTHINGS LTD.</b>							<b>859 INDUSTRIAL DR</b>				<b>NAICS Code</b>	<b>32199</b>
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	833
Total for CREATIVE PLAYTHINGS LTD.		0	0	0	0	0	0	0	0	0	0	0	833
<b>GREENSVILLE</b>	<b>GEORGIA PACIFIC WOOD PRODUCTS LLC EMPORIA PLYWOOD</b>							<b>634 DAVIS ST</b>				<b>NAICS Code</b>	<b>32121</b>
METHANOL	N	3,000	26,000	29,000	0	0	29,000	0	0	23,000	23,000	0	0
Total for GEORGIA PACIFIC WOOD PRODUCTS		3,000	26,000	29,000	0	0	29,000	0	0	23,000	23,000	0	0
<b>GREENSVILLE</b>	<b>STEELFAB OF VIRGINIA INC</b>							<b>1510 REESE ST</b>				<b>NAICS Code</b>	<b>33231</b>
ALUMINUM OXIDE (FIBROUS FOR	N	35	0	35	0	0	35	0	0	0	0	0	0
CHROMIUM	N	121	0	121	0	0	121	0	0	0	0	0	27,179
COPPER	N	180	40	220	0	4	225	0	0	0	0	0	40,566
MANGANESE	N	132	140	272	0	0	272	0	0	0	0	0	29,748
NICKEL	N	211	6	216	0	0	216	0	0	0	0	0	47,462
PROPYLENE	N	113	0	113	0	0	113	0	0	0	0	0	0
Total for STEELFAB OF VIRGINIA INC		791	186	978	0	4	982	0	0	0	0	0	144,955
Total for Above County : (8 reports)		3,791	26,186	29,978	0	4	29,982	0	0	23,000	23,000	0	145,788
<b>HALIFAX</b>	<b>ABB INC</b>							<b>2135 PHILPOTT RD</b>				<b>NAICS Code</b>	<b>33531</b>
CHROMIUM	N	8	0	8	0	0	8	0	0	0	0	0	117,493
COPPER	N	54	0	54	0	0	54	0	0	0	0	3	855,180
MANGANESE	N	90	0	90	0	0	90	0	0	0	0	0	231,382

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Chemical Name	form A*												
NICKEL	N	5	0	5	0	0	5	0	0	0	0	1	86,235
Total for ABB INC		157	0	157	0	0	157	0	0	0	0	4	1,290,291
<b>HALIFAX</b>	<b>AQUATIC CO</b>							<b>1100 INDUSTRIAL PARK RD HALIFAX INDUSTRIAL</b>				<b>NAICS Code</b>	<b>32619</b>
STYRENE	N	3,644	83,336	86,980	0	0	86,980	0	0	614	614	0	3,525
Total for AQUATIC CO		3,644	83,336	86,980	0	0	86,980	0	0	614	614	0	3,525
<b>HALIFAX</b>	<b>BOHLER UDDEHOLM CORPORATION</b>							<b>2306 EASTOVER DR</b>				<b>NAICS Code</b>	<b>33122</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	15,070
COBALT	N	0	0	0	0	0	0	0	0	0	0	0	3,048
METHANOL	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for BOHLER UDDEHOLM CORPORATION		5	5	10	0	0	10	0	0	0	0	0	18,118
<b>HALIFAX</b>	<b>CLOVER POWER STATION</b>							<b>4091 CLOVER RD</b>				<b>NAICS Code</b>	<b>22111</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ARSENIC COMPOUNDS	N	0	18	18	27,800	64	27,882	0	0	0	0	0	9,260
BARIUM COMPOUNDS	N	0	0	0	263,000	860	263,860	0	0	0	0	0	87,400
CHROMIUM COMPOUNDS(EXCEPT	N	0	363	363	47,600	19	47,982	0	0	0	0	0	15,800
COBALT COMPOUNDS	N	0	9	9	16,700	16	16,725	0	0	0	0	0	5,570
COPPER COMPOUNDS	N	0	115	115	53,700	37	53,852	0	0	0	0	0	17,900
HYDROCHLORIC ACID (1995 AND	N	0	19,400	19,400	0	0	19,400	0	0	2,680,000	2,680,000	0	0
HYDROGEN CYANIDE	N	0	45,800	45,800	0	0	45,800	0	0	0	0	0	0
HYDROGEN FLUORIDE	N	0	9,780	9,780	0	0	9,780	0	0	328,000	328,000	0	0
MANGANESE COMPOUNDS	N	0	733	733	72,400	2,420	75,553	0	0	0	0	0	24,100
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
NICKEL COMPOUNDS	N	0	372	372	47,400	29	47,801	0	0	0	0	0	15,800
SULFURIC ACID (1994 AND AFTER	N	0	335,000	335,000	0	0	335,000	0	0	555,000	555,000	0	0
VANADIUM COMPOUNDS	N	0	235	235	101,000	0	101,235	0	0	0	0	0	33,700
ZINC COMPOUNDS	N	0	0	0	61,500	351	61,851	0	0	0	0	0	20,400
Total for CLOVER POWER STATION		0	411,825	411,825	91,100	3,796	1,106,721	0	0	3,563,000	3,563,000	0	229,930
<b>HALIFAX</b>													
<b>HUBER ENGINEERED WOODS LLC</b>								<b>1000 CHANEY LN</b>				<b>NAICS Code</b>	<b>32121</b>
ACETALDEHYDE	N	391	5,277	5,668	0	0	5,668	0	0	69,009	69,009	0	0
ACROLEIN	N	349	13,598	13,947	0	0	13,947	0	0	37,048	37,048	0	0
DIISOCYANATES	N	0	68	68	0	0	68	0	0	1	1	0	0
FORMALDEHYDE	N	108	19,234	19,342	0	0	19,342	374	0	197,662	198,036	0	0
METHANOL	N	565	37,574	38,139	0	0	38,139	0	0	125,280	125,280	0	0
PHENOL	N	719	8,184	8,903	0	0	8,903	0	0	83,229	83,229	0	0
Total for HUBER ENGINEERED WOODS LLC		2,132	83,935	86,067	0	0	86,067	374	0	512,229	512,603	0	0
<b>Total for Above County : (30 reports)</b>		<b>5,938</b>	<b>579,101</b>	<b>585,039</b>	<b>91,100</b>	<b>3,796</b>	<b>1,279,935</b>	<b>374</b>	<b>0</b>	<b>4,075,843</b>	<b>4,076,217</b>	<b>4</b>	<b>1,541,864</b>
<b>HAMPTON (CITY)</b>								<b>2400 ALUMINUM AVE</b>				<b>NAICS Code</b>	<b>33131</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	2,833
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	42	42
NITRIC ACID	N	5	5	10	0	0	10	0	0	48,240	48,240	0	0
Total for CATALINA CYLINDERS INC		5	5	10	0	0	10	0	0	48,240	48,240	42	2,875
<b>HAMPTON (CITY)</b>								<b>2102 48TH ST</b>				<b>NAICS Code</b>	<b>33271</b>
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CRAFT MACHINE WORKS		0	0	0	0	0	0	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
HAMPTON (CITY) HOWMET CASTINGS & SERVICES INC								ONE HOWMET DR				NAICS Code	33152
4,4'-ISOPROPYLIDENEDIPHENOL	N	16	16	32	0	0	32	0	0	800	800	41	80,784
ALUMINUM (FUME OR DUST)	N	0	3,445	3,445	0	0	3,445	0	0	0	0	0	0
CHROMIUM	N	0	5	5	0	2	7	0	0	0	0	16	5,135
COBALT	N	0	6	6	0	0	6	0	0	0	0	8	3,199
HYDROGEN FLUORIDE	N	0	613	613	0	0	613	0	0	36,028	36,028	29	42,364
NICKEL	N	0	14	14	0	0	14	0	0	0	0	47	19,022
NITRIC ACID	N	0	569	569	0	0	569	0	0	819	819	0	27,448
Total for HOWMET CASTINGS & SERVICES INC		16	4,668	4,684	0	2	4,686	0	0	37,647	37,647	142	177,952
HAMPTON (CITY) TIDEWATER WOOD PRODUCTS, LLC								5604 CITY LINE RD				NAICS Code	32111
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for TIDEWATER WOOD PRODUCTS, LLC		0	0	0	0	0	0	0	0	0	0	0	0
HAMPTON (CITY) U.S. DOD, USAF, JOINT BASE LANGLEY EUSTIS - LANGLEY AFB								633 CES/CEIE 37 SWEENEY BLVD				NAICS Code	92811
ETHYLBENZENE	N	2	15	17	0	4	21	0	0	0	0	0	0
NAPHTHALENE	N	1	56	57	0	13	70	0	0	0	0	0	0
Total for U.S. DOD, USAF, JOINT BASE LANGLEY		3	71	74	0	17	91	0	0	0	0	0	0
Total for Above County : (14 reports)		24	4,744	4,768	0	19	4,787	0	0	85,887	85,887	184	180,827
HANOVER BEAR ISLAND PAPER WB LLC								10026 OLD RIDGE RD				NAICS Code	32212
HYDROCHLORIC ACID (1995 AND	N	0	27,395	27,395	0	0	27,395	0	0	0	0	0	0
METHANOL	N	1,600	25,760	27,360	0	0	27,360	0	0	0	0	0	0
Total for BEAR ISLAND PAPER WB LLC		1,600	53,155	54,755	0	0	54,755	0	0	0	0	0	0
HANOVER CHEMTREAT INC								10040 LICKINGHOLE RD				NAICS Code	32599

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Chemical Name	form A*												
SODIUM NITRITE	N	0	0	0	0	0	0	0	0	0	0	0	1,891
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CHEMTREAT INC		0	0	0	0	0	0	0	0	0	0	0	1,891
<b>HANOVER</b>		<b>COMMONWEALTH GALVANIZING</b>						<b>10988 LEADBETTER RD</b>				<b>NAICS Code 33281</b>	
HYDROCHLORIC ACID (1995 AND	N	690	0	690	0	0	690	0	0	0	0	0	0
ZINC COMPOUNDS	N	1,009	0	1,009	0	64	1,074	0	0	0	0	0	61,987
Total for COMMONWEALTH GALVANIZING		1,699	0	1,699	0	64	1,764	0	0	0	0	0	61,987
<b>HANOVER</b>		<b>DOSWELL LP</b>						<b>10098 OLD RIDGE RD</b>				<b>NAICS Code 22111</b>	
1,2,4-TRIMETHYLBENZENE	N	5	141,238	141,243	0	0	141,243	0	0	0	0	0	0
AMMONIA	N	5	344,450	344,455	0	0	344,455	0	0	0	0	0	0
NAPHTHALENE	N	5	77,729	77,734	0	0	77,734	0	0	0	0	0	0
N-HEXANE	N	5	141,238	141,243	0	0	141,243	0	0	0	0	0	0
Total for DOSWELL LP		20	704,655	704,675	0	0	704,675	0	0	0	0	0	0
<b>HANOVER</b>		<b>PUGH LUBRICANTS ASHLAND</b>						<b>10992 LEADBETTER RD</b>				<b>NAICS Code 42471</b>	
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for PUGH LUBRICANTS ASHLAND		0	0	0	0	0	0	0	0	0	0	0	0
<b>HANOVER</b>		<b>SOUTH ATLANTIC GALVANIZING LLC</b>						<b>11022 LEWISTOWN RD</b>				<b>NAICS Code 33281</b>	
ZINC COMPOUNDS	N	6,494	0	6,494	0	75	6,569	0	0	0	0	0	254,032
Total for SOUTH ATLANTIC GALVANIZING LLC		6,494	0	6,494	0	75	6,569	0	0	0	0	0	254,032
<b>HANOVER</b>		<b>TYSON FARMS INC. - PROCESSING FACILITY</b>						<b>13264 MOUNTAIN RD</b>				<b>NAICS Code 31161</b>	

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Chemical Name	form A*												
NITRATE COMPOUNDS	N	0	0	0	0	50,779	50,779	0	0	649,873	649,873	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0	0	96,309	96,309	0	0
Total for TYSON FARMS INC. - PROCESSING FACI		0	0	0	0	50,779	50,779	0	0	746,182	746,182	0	0
Total for Above County : (16 reports)		9,813	757,810	767,623	0	50,918	818,542	0	0	746,182	746,182	0	317,910
<b>HARRISONBURG (CITY) GEORGE'S FOODS LLC FEED MILL</b>								<b>61 KRATZER RD</b>				<b>NAICS Code 31111</b>	
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEORGE'S FOODS LLC FEED MILL		0	0	0	0	0	0	0	0	0	0	0	0
<b>HARRISONBURG (CITY) GILMER INDUSTRIES INC</b>								<b>560 STONE SPRING RD</b>				<b>NAICS Code 32561</b>	
CERTAIN GLYCOL ETHERS	Y	0	0	0	0	0	0	0	0	0	0	0	0
DIETHANOLAMINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRIC ACID	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GILMER INDUSTRIES INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>HARRISONBURG (CITY) PILGRIM'S PRIDE CORP HARRISONBURG FEEDMILL</b>								<b>590 MT CLINTON PIKE</b>				<b>NAICS Code 31111</b>	
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for PILGRIM'S PRIDE CORP HARRISONBUR		0	0	0	0	0	0	0	0	0	0	0	0
<b>HARRISONBURG (CITY) QUARLES PETROLEUM INC HARRISONBURG BULK PLANT</b>								<b>1006 W MARKET ST</b>				<b>NAICS Code 42471</b>	
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM INC HARRISONB		0	0	0	0	0	0	0	0	0	0	0	0
<b>HARRISONBURG (CITY) TENNECO WALKER MANUFACTURING CO</b>								<b>3160 ABBOTT LN</b>				<b>NAICS Code 33639</b>	
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	483,460
COBALT	N	0	0	0	0	0	0	0	0	0	0	0	9,525
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	24,171
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	360,878
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	266,726
Total for TENNECO WALKER MANUFACTURING C		0	0	0	0	0	0	0	0	0	0	0	1,144,760
<b>Total for Above County : (18 reports)</b>		0	0	0	0	0	0	0	0	0	0	0	1,144,760
<b>HENRICO ENNIS-FLINT RICHMOND</b>								<b>4400 VAWTER AVE</b>				<b>NAICS Code 32551</b>	
METHANOL	N	0	20,681	20,681	0	0	20,681	0	0	0	0	0	0
Total for ENNIS-FLINT RICHMOND		0	20,681	20,681	0	0	20,681	0	0	0	0	0	0
<b>HENRICO IR ENGRAVING LLC</b>								<b>5901 LEWIS RD</b>				<b>NAICS Code 32311</b>	
COPPER	N	1	1	2	0	0	2	0	0	0	0	0	917
NITRIC ACID	N	0	1,068	1,068	0	0	1,068	0	0	0	0	0	4,151
Total for IR ENGRAVING LLC		1	1,069	1,070	0	0	1,070	0	0	0	0	0	5,068
<b>HENRICO JOHNS MANVILLE CORP HAMILTON PLANT</b>								<b>7400 RANCO RD</b>				<b>NAICS Code 32222</b>	
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	1,406
Total for JOHNS MANVILLE CORP HAMILTON PLA		0	0	0	0	0	0	0	0	0	0	0	1,406
<b>HENRICO MECHANICSVILLE CONCRETE LLC-AIRPORT PLANT (OAKLEYS LA</b>								<b>4481 OAKLEYS LN</b>				<b>NAICS Code 32732</b>	

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Chemical Name	form A*												
NITRATE COMPOUNDS	N	0	0	0	0	21	21	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC-AIRP		0	0	0	0	21	21	0	0	0	0	0	0
<b>HENRICO</b>	<b>SOUTHERN GRAPHIC SYSTEMS LLC</b>							<b>5301 LEWIS RD</b>				<b>NAICS Code</b>	<b>32312</b>
COPPER COMPOUNDS	N	29	259	288	0	0	288	0	0	0	0	1	51,508
Total for SOUTHERN GRAPHIC SYSTEMS LLC		29	259	288	0	0	288	0	0	0	0	1	51,508
Total for Above County : (6 reports)		30	22,009	22,039	0	21	22,060	0	0	0	0	2	57,983
<b>HENRY</b>	<b>BASSETT PLANT 11</b>							<b>PATRIOT CENTRE AT BEAVER CREEK</b>				<b>NAICS Code</b>	<b>33712</b>
TOLUENE	N	0	12,250	12,250	0	0	12,250	0	0	0	0	0	12,250
XYLENE (MIXED ISOMERS)	N	0	13,521	13,521	0	0	13,521	0	0	0	0	0	13,521
Total for BASSETT PLANT 11		0	25,771	25,771	0	0	25,771	0	0	0	0	0	25,771
<b>HENRY</b>	<b>CPFILMS - PLANT II</b>							<b>4129 THE GREAT RD</b>				<b>NAICS Code</b>	<b>32613</b>
ACRYLIC ACID	N	26	523	549	0	0	549	0	0	44,700	44,700	0	2,250
ETHYLENE GLYCOL	N	413,000	4,770	417,770	0	0	417,770	0	0	491,000	491,000	83,300	261,000
N-HEXANE	N	63	1,260	1,323	0	0	1,323	0	0	106,000	106,000	0	0
N-METHYL-2-PYRROLIDONE	N	304,000	585	304,585	0	0	304,585	0	0	391,000	391,000	35,400	496,400
TOLUENE	N	355	7,110	7,465	0	0	7,465	0	0	522,000	522,000	0	43,560
Total for CPFILMS - PLANT II		717,444	14,248	731,692	0	0	731,692	0	0	1,554,700	1,554,700	118,700	803,210
<b>HENRY</b>	<b>CPFILMS INC-AXTON FACILITY</b>							<b>47 BRENDA DR</b>				<b>NAICS Code</b>	<b>32613</b>
ETHYLENE GLYCOL	N	26,000	1,100	27,100	0	0	27,100	0	0	0	27,100	0	2,310
N-METHYL-2-PYRROLIDONE	N	0	93	93	0	0	93	0	0	0	93	0	5,770
Total for CPFILMS INC-AXTON FACILITY		26,000	1,193	27,193	0	0	27,193	0	0	0	27,193	0	8,080
<b>HENRY</b>	<b>CPFILMS INC-PLANT 1</b>							<b>4210 THE GREAT RD</b>				<b>NAICS Code</b>	<b>32613</b>

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Chemical Name	form A*												
TOLUENE	N	60	1,210	1,270	0	0	1,270	0	0	112,000	112,000	0	30,257
Total for CPFILMS INC-PLANT 1		<b>60</b>	<b>1,210</b>	<b>1,270</b>	<b>0</b>	<b>0</b>	<b>1,270</b>	<b>0</b>	<b>0</b>	<b>112,000</b>	<b>112,000</b>	<b>0</b>	<b>30,257</b>
<b>HENRY</b>	<b>CPFILMS, INC.</b>							<b>345 BEAVER CREEK DR</b>				<b>NAICS Code</b>	<b>32611</b>
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	4,900
ETHYLENE GLYCOL	N	5	1,061	1,066	0	0	1,066	0	556,900	129,394	686,294	5,035	4,740
N-HEXANE	N	5	656	661	0	0	661	0	0	64,917	64,917	0	0
N-METHYL-2-PYRROLIDONE	N	5	17	22	0	0	22	0	0	208,372	208,372	524	390,855
TOLUENE	N	5	11,205	11,210	0	0	11,210	0	0	431,582	431,582	0	168,147
Total for CPFILMS, INC.		<b>20</b>	<b>12,939</b>	<b>12,959</b>	<b>0</b>	<b>0</b>	<b>12,959</b>	<b>0</b>	<b>556,900</b>	<b>834,265</b>	<b>1,391,165</b>	<b>5,559</b>	<b>568,643</b>
<b>HENRY</b>	<b>MEHLER ENGINEERED PRODUCTS</b>							<b>175 MEHLER LN</b>				<b>NAICS Code</b>	<b>31499</b>
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	660
TOLUENE	N	305	8	313	0	0	313	774,291	0	0	774,291	0	12,079
XYLENE (MIXED ISOMERS)	N	5	1	6	0	0	6	18,685	0	0	18,685	0	151
Total for MEHLER ENGINEERED PRODUCTS		<b>310</b>	<b>9</b>	<b>319</b>	<b>0</b>	<b>0</b>	<b>319</b>	<b>792,976</b>	<b>0</b>	<b>0</b>	<b>792,976</b>	<b>0</b>	<b>12,890</b>
<b>HENRY</b>	<b>NATIONWIDE HOMES INC.</b>							<b>1100 RIVES RD</b>				<b>NAICS Code</b>	<b>32199</b>
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for NATIONWIDE HOMES INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>HENRY</b>	<b>RTI MARTINSVILLE INC</b>							<b>101 RTI WAY</b>				<b>NAICS Code</b>	<b>33211</b>
ALUMINUM (FUME OR DUST)	N	7	669	676	0	0	676	0	0	0	0	0	37,115
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for RTI MARTINSVILLE INC		<b>7</b>	<b>669</b>	<b>676</b>	<b>0</b>	<b>0</b>	<b>676</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37,115</b>
<b>Total for Above County : (21 reports)</b>		<b>743,841</b>	<b>56,039</b>	<b>799,880</b>	<b>0</b>	<b>0</b>	<b>799,880</b>	<b>792,976</b>	<b>556,900</b>	<b>2,500,965</b>	<b>3,878,034</b>	<b>124,259</b>	<b>1,485,966</b>

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive	Stack	Total			Total				Total		
Chemical Name	form A*	Air	Air	Air	Land	Water	On-Site	Energy			On-Site	POTW	Other
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Recovery	Recycling	Treatment	Management	(pounds)	Off-Site Transfers ** (pounds)
HOPEWELL (CITY) ADVANSIX INC HOPEWELL PLANT								905 E RANDOLPH RD				NAICS Code	32519
ACETALDEHYDE	N	727	624	1,351	0	0	1,351	0	0	231,730	231,730	3,367	3,064
AMMONIA	N	7,658	2,188,609	2,196,267	0	29,608	2,225,875	0	0	0	0	95,095	57,085
BENZENE	N	220	7,440	7,660	0	122	7,782	0	69,942	156,023	225,965	183	168
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	534	534	0	0	0	0	99	75
COPPER COMPOUNDS	N	0	0	0	0	2,163	2,163	0	0	0	0	399	4,796
CYCLOHEXANOL	N	595	3,114	3,709	0	17,057	20,766	0	0	21,038	21,038	22,384	20,369
METHANOL	N	764	34	798	0	0	798	972,693	0	0	972,693	28,819	26,989
NICKEL COMPOUNDS	N	0	0	0	0	700	700	0	0	0	0	155	4,568
NITRATE COMPOUNDS	N	0	3,100	3,100	0	53,982	57,082	0	0	0	0	346,738	312,064
PHENOL	N	777	23,279	24,056	0	7,412	31,468	0	0	42,971	42,971	11,018	1,233,328
SULFURIC ACID (1994 AND AFTER	N	1,468	25,990	27,458	0	0	27,458	0	1,457,821	0	1,457,821	0	0
TOLUENE	N	1,436	9,138	10,574	0	361	10,935	0	62,389	198,827	261,216	96	1,786
ZINC COMPOUNDS	N	0	0	0	0	7,758	7,758	0	0	0	0	1,713	21,262
Total for ADVANSIX INC HOPEWELL PLANT		13,645	2,261,328	2,274,973	0	119,697	2,394,670	972,693	1,590,152	650,589	3,213,434	510,066	1,685,554
HOPEWELL (CITY) EVONIK INDUSTRIES								914 E RANDOLPH RD				NAICS Code	32561
ACRYLIC ACID	N	0	818	818	0	0	818	0	0	0	0	176	8,600
ALLYL ALCOHOL	N	0	117	117	0	0	117	0	0	2,346	2,346	0	0
CHLOROACETIC ACID	N	0	240	240	0	0	240	0	0	0	0	0	0
ETHYLENE GLYCOL	N	0	1,181	1,181	0	0	1,181	0	0	0	0	143,015	140,155
ETHYLENE OXIDE	N	0	17	17	0	0	17	0	0	16,755	16,755	0	0
PROPYLENE OXIDE	N	0	8	8	0	0	8	0	0	8,378	8,378	0	0
XYLENE (MIXED ISOMERS)	N	0	0	0	0	0	0	0	0	0	0	0	844

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# 2016 Toxics Release Inventory

Appendix F

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for EVONIK INDUSTRIES		0	2,381	2,381	0	0	2,381	0	0	27,479	27,479	143,191	149,599
<b>HOPEWELL (CITY)</b>	<b>HERCULES INCORPORATED</b>							<b>1111 HERCULES RD</b>				<b>NAICS Code</b>	<b>32519</b>
CERTAIN GLYCOL ETHERS	N	15	0	15	0	0	15	0	0	0	0	221,627	203,897
CHLOROACETIC ACID	N	846	2	848	0	0	848	0	0	0	0	0	0
CHLOROETHANE	N	71,836	1,735	73,571	0	0	73,571	0	74,363	0	74,363	6	1
ETHYLENE	N	5,004	56,700	61,704	0	0	61,704	0	0	0	0	0	0
ETHYLENE GLYCOL	N	120	0	120	0	0	120	0	0	0	0	1,971,931	1,715,580
ETHYLENE OXIDE	N	992	76	1,068	0	0	1,068	0	0	81	81	572	521
METHANOL	N	336,144	2,523	338,667	0	0	338,667	0	130,955,337	0	130,955,337	370,665	369,526
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	5,680,078	5,168,871
NITRIC ACID	N	2,153	5	2,158	0	0	2,158	0	0	0	0	0	0
PROPYLENE OXIDE	N	2,178	132	2,310	0	0	2,310	0	0	74	74	30	27
TERT-BUTYL ALCOHOL	N	57,040	5,008	62,048	0	0	62,048	0	188,629,301	0	188,629,301	141,328	40,785
Total for HERCULES INCORPORATED		476,328	66,181	542,509	0	0	542,509	0	319,659,001	155	319,659,156	8,386,237	7,499,207
<b>HOPEWELL (CITY)</b>	<b>WESTROCK CP, LLC</b>							<b>910 INDUSTRIAL ST</b>				<b>NAICS Code</b>	<b>32213</b>
ACETALDEHYDE	N	0	13,628	13,628	0	0	13,628	0	0	4,899	4,899	64,400	58,604
AMMONIA	N	0	99,600	99,600	0	0	99,600	0	0	0	0	7,840	4,704
BARIUM COMPOUNDS	N	0	562	562	0	0	562	0	0	0	0	0	20,700
CATECHOL	N	0	0	0	0	0	0	0	0	0	0	922	848
FORMALDEHYDE	N	0	6,580	6,580	0	0	6,580	0	0	2,319	2,319	7,270	6,688
HYDROCHLORIC ACID (1995 AND	N	0	78,506	78,506	0	0	78,506	0	0	0	0	0	0
HYDROGEN SULFIDE	N	0	22,778	22,778	0	0	22,778	0	0	79,454	79,454	169,000	0
MANGANESE COMPOUNDS	N	0	111	111	0	0	111	0	0	0	0	28,538	112,130

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Chemical Name	form A*												
METHANOL	N	0	273,265	273,265	0	0	273,265	0	0	32,545	32,545	4,720,000	4,342,400
PHENOL	N	0	8,610	8,610	0	0	8,610	0	0	2,516	2,516	4,910	4,517
Total for WESTROCK CP, LLC		0	503,639	503,639	0	0	503,639	0	0	121,734	121,734	5,002,880	4,550,592
Total for Above County : (41 reports)		489,973	2,833,530	3,323,503	0	119,697	3,443,200	972,693	321,249,153	799,956	323,021,802	14,042,374	13,884,953

ISLE OF WIGHT		INTERNATIONAL PAPER FRANKLIN MILL						34040 UNION CAMP DR				NAICS Code 32211	
ACETALDEHYDE	N	6,896	19,475	26,371	0	388	26,759	0	0	40,752	40,752	0	5
AMMONIA	N	0	109,931	109,931	0	2,645	112,576	0	0	162,205	162,205	0	10
BARIUM COMPOUNDS	N	0	23	23	0	483	506	0	0	0	0	0	4,092
CATECHOL	N	0	0	0	0	40	40	0	0	769	769	0	1
CHLORINE	N	5	8,042	8,047	0	0	8,047	0	0	230,860	230,860	0	0
CHLORINE DIOXIDE	N	5	1,842	1,847	0	0	1,847	0	0	10,303,958	10,303,958	0	0
CRESOL (MIXED ISOMERS)	N	22,238	25,406	47,644	0	5	47,649	0	0	17,738	17,738	0	3
FORMALDEHYDE	N	783	9,112	9,895	0	1,141	11,036	0	0	30,787	30,787	0	14
FORMIC ACID	N	0	0	0	0	90	90	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND	N	0	89,933	89,933	0	0	89,933	0	0	0	0	0	0
HYDROGEN SULFIDE	N	97,339	63,536	160,875	0	175	161,050	0	0	664,448	664,448	0	339
MANGANESE COMPOUNDS	N	0	78	78	0	6,497	6,575	0	0	0	0	0	60,698
METHANOL	N	292,353	504,207	796,560	0	0	796,560	0	0	6,793,708	6,793,708	0	4,721
NITRATE COMPOUNDS	N	0	0	0	0	70,921	70,921	0	0	0	0	0	119
PHENOL	N	2,197	10,090	12,287	0	6	12,293	0	0	4,120	4,120	0	3
Total for INTERNATIONAL PAPER FRANKLIN MILL		421,816	841,675	1,263,491	0	82,391	1,345,882	0	0	18,249,345	18,249,345	0	70,005
ISLE OF WIGHT		SMITHFIELD-SMITHFIELD FACILITY (NORTH)						601 N CHURCH ST				NAICS Code 31161	

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
AMMONIA	N	38,128	1,380	39,508	0	22	39,530	0	0	0	0	6,316	3,790
HYDROGEN SULFIDE	N	43,151	153	43,304	0	0	43,304	0	0	34,529	34,529	1,726	1,726
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	1,857,540	1,857,540	642,994	578,695
SODIUM NITRITE	N	0	0	0	0	0	0	0	0	0	0	777	21
Total for SMITHFIELD-SMITHFIELD FACILITY (NO		<b>81,279</b>	<b>1,533</b>	<b>82,812</b>	<b>0</b>	<b>22</b>	<b>82,834</b>	<b>0</b>	<b>0</b>	<b>1,892,069</b>	<b>1,892,069</b>	<b>651,813</b>	<b>584,231</b>
Total for Above County : (19 reports)		<b>503,095</b>	<b>843,208</b>	<b>1,346,303</b>	<b>0</b>	<b>82,413</b>	<b>1,428,716</b>	<b>0</b>	<b>0</b>	<b>20,141,414</b>	<b>20,141,414</b>	<b>651,813</b>	<b>654,236</b>
<b>JAMES CITY</b>		<b>ANHEUSER-BUSCH LLC</b>						<b>7801 POCAHONTAS TRAIL</b>				<b>NAICS Code</b>	<b>31212</b>
AMMONIA	N	6,121	2,278	8,399	0	0	8,399	0	0	0	0	2,162	1,330
Total for ANHEUSER-BUSCH LLC		<b>6,121</b>	<b>2,278</b>	<b>8,399</b>	<b>0</b>	<b>0</b>	<b>8,399</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,162</b>	<b>1,330</b>
<b>JAMES CITY</b>		<b>BALL METAL BEVERAGE CONTAINER CORP</b>						<b>8935 POCAHONTAS TRAIL JAMES RIVER COMMISSION</b>				<b>NAICS Code</b>	<b>33243</b>
CERTAIN GLYCOL ETHERS	N	58,000	290,000	348,000	0	0	348,000	0	0	0	0	0	634
N-BUTYL ALCOHOL	N	24,000	120,000	144,000	0	0	144,000	0	0	0	0	0	261
SULFURIC ACID (1994 AND AFTER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for BALL METAL BEVERAGE CONTAINER C		<b>82,000</b>	<b>410,000</b>	<b>492,000</b>	<b>0</b>	<b>0</b>	<b>492,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>895</b>
<b>JAMES CITY</b>		<b>GREYSTONE OF VIRGINIA INC</b>						<b>7992 RICHMOND RD</b>				<b>NAICS Code</b>	<b>33281</b>
CHROMIUM COMPOUNDS(EXCEPT	N	0	1	1	0	0	1	0	0	0	0	17	6,503
Total for GREYSTONE OF VIRGINIA INC		<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>6,503</b>
Total for Above County : (5 reports)		<b>88,121</b>	<b>412,279</b>	<b>500,400</b>	<b>0</b>	<b>0</b>	<b>500,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,179</b>	<b>8,728</b>
<b>KING GEORGE</b>		<b>BIRCHWOOD POWER FACILITY</b>						<b>10900 BIRCHWOOD DR</b>				<b>NAICS Code</b>	<b>22111</b>
AMMONIA	N	94	174	268	0	0	268	0	0	238,645	238,645	0	1,697
BARIUM COMPOUNDS	N	0	10	10	0	0	10	0	0	0	0	0	20,885
CHROMIUM COMPOUNDS(EXCEPT	N	0	27	27	0	0	27	0	0	0	0	0	3,223

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Chemical Name	form A*												
COPPER COMPOUNDS	N	0	20	20	0	0	20	0	0	0	0	0	2,345
HYDROCHLORIC ACID (1995 AND	N	0	4,566	4,566	0	0	4,566	0	0	425,547	425,547	0	0
HYDROGEN FLUORIDE	N	0	311	311	0	0	311	0	0	26,204	26,204	0	0
MANGANESE COMPOUNDS	N	0	16	16	0	0	16	0	0	0	0	0	937
NICKEL COMPOUNDS	N	0	25	25	0	0	25	0	0	0	0	0	1,461
SULFURIC ACID (1994 AND AFTER	N	0	691	691	0	0	691	0	0	151,680	151,680	0	0
VANADIUM COMPOUNDS	N	0	23	23	0	0	23	0	0	0	0	0	17,476
ZINC COMPOUNDS	N	0	57	57	0	0	57	0	0	0	0	0	1,377
Total for BIRCHWOOD POWER FACILITY		94	5,920	6,015	0	0	6,015	0	0	842,076	842,076	0	49,401
Total for Above County : (11 reports)		94	5,920	6,015	0	0	6,015	0	0	842,076	842,076	0	49,401

<b>KING WILLIAM</b>		<b>WESTROCK CP, LLC</b>						<b>1901 MAIN ST</b>				<b>NAICS Code 32211</b>	
ACETALDEHYDE	N	553	30,275	30,828	0	866	31,694	0	0	23,835	23,835	0	1
AMMONIA	N	0	102,280	102,280	0	11,379	113,659	0	0	238,209	238,209	0	0
BARIUM COMPOUNDS	N	0	1,153	1,153	0	0	1,153	0	0	0	0	0	32,992
CATECHOL	N	0	0	0	0	7	7	0	0	648	648	0	0
CHLORINE	N	5	243	248	0	0	248	0	0	88,731	88,731	0	0
CHLORINE DIOXIDE	N	5	406	411	0	0	411	0	0	35,282	35,282	0	0
CRESOL (MIXED ISOMERS)	N	6	3,072	3,078	0	2	3,080	0	0	39,932	39,932	0	0
FORMALDEHYDE	N	42	9,971	10,013	0	419	10,432	0	0	13,159	13,159	0	1
FORMIC ACID	N	0	0	0	0	841	841	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND	N	0	47,835	47,835	0	0	47,835	0	0	63,818	63,818	0	0
HYDROGEN SULFIDE	N	4,051	38,001	42,052	0	0	42,052	0	0	250,402	250,402	0	9
MANGANESE COMPOUNDS	N	0	218	218	0	41,408	41,626	0	0	0	0	0	145,359

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
METHANOL	N	136,979	394,575	531,554	0	5,770	537,324	0	0	3,330,369	3,330,369	0	99
NITRATE COMPOUNDS	N	0	0	0	0	67,112	67,112	0	0	0	0	0	67
PHENOL	N	183	19,026	19,209	0	555	19,764	0	0	15,017	15,017	0	1
ZINC COMPOUNDS	N	0	406	406	0	89	495	0	0	0	0	0	39,079
Total for WESTROCK CP, LLC		141,824	647,460	789,284	0	128,448	917,732	0	0	4,099,400	4,099,400	0	217,608
Total for Above County : (16 reports)		141,824	647,460	789,284	0	128,448	917,732	0	0	4,099,400	4,099,400	0	217,608

<b>LOUDOUN</b>		<b>ASIG FUELING OPERATIONS WASH DULLES INTERNATIONAL AIRP</b>						<b>TANK FARM RD BUILDING 2</b>				<b>NAICS Code 48811</b>	
1,2,4-TRIMETHYLBENZENE	N	119	0	119	0	0	119	0	0	0	0	0	0
ARSENIC	N	1	0	1	0	0	1	0	0	0	0	0	0
BENZENE	N	76	0	76	0	0	76	0	0	0	0	0	0
BERYLLIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
CADMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM	N	1	0	1	0	0	1	0	0	0	0	0	0
ETHYLBENZENE	N	76	0	76	0	0	76	0	0	0	0	0	0
METHYL TERT-BUTYL ETHER	N	713	0	713	0	0	713	0	0	0	0	0	0
NAPHTHALENE	N	163	0	163	0	0	163	0	7,725	0	7,725	0	1,227
N-HEXANE	N	48	0	48	0	0	48	0	0	0	0	0	0
TOLUENE	N	343	0	343	0	0	343	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	341	0	341	0	0	341	0	0	0	0	0	0
Total for ASIG FUELING OPERATIONS WASH DUL		1,881	0	1,881	0	0	1,881	0	7,725	0	7,725	0	1,227
<b>LOUDOUN</b>		<b>SUPERIOR CONCRETE MATERIALS INC. - DULLES</b>						<b>44146 WADE DR</b>				<b>NAICS Code 32732</b>	
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
Total for SUPERIOR CONCRETE MATERIALS INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUDOUN</b>	<b>TITAN VIRGINIA READY-MIX LLC-LEESBURG PLANT</b>							<b>42105 COCHRAN MILL RD</b>				<b>NAICS Code</b>	<b>32732</b>
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-LEESB		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUDOUN</b>	<b>TITAN VIRGINIA READY-MIX LLC-STERLING PLANT</b>							<b>22963 CONCRETE PLAZA</b>				<b>NAICS Code</b>	<b>32732</b>
NITRATE COMPOUNDS	N	0	0	0	0	114	114	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-STERLI		0	0	0	0	114	114	0	0	0	0	0	0
<b>LOUDOUN</b>	<b>VIASYSTEMS TECHNOLOGIES CORP LLC</b>							<b>1200 SEVERN WAY</b>				<b>NAICS Code</b>	<b>33441</b>
AMMONIA	N	350	5,441	5,791	0	0	5,791	0	0	0	0	2,537	13,101
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	621	165,169
FORMALDEHYDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	45,062	40,563
NITRIC ACID	N	5	5	10	0	0	10	0	0	45,789	45,789	0	0
SULFURIC ACID (1994 AND AFTER	N	5	5	10	0	0	10	0	0	750	750	0	0
Total for VIASYSTEMS TECHNOLOGIES CORP LL		360	5,451	5,811	0	0	5,811	0	0	46,539	46,539	48,220	218,833
<b>LOUDOUN</b>	<b>VIRGINIA CONCRETE DULLES PLANT</b>							<b>44866 OLD OX ROAD</b>				<b>NAICS Code</b>	<b>32732</b>
NITRATE COMPOUNDS	N	0	0	0	0	278	278	0	0	0	0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	278	278	0	0	0	0	0	0
Total for Virginia Concrete Dulles Plant		0	0	0	0	556	556	0	0	0	0	0	0
<b>Total for Above County : (23 reports)</b>		<b>2,241</b>	<b>5,451</b>	<b>7,692</b>	<b>0</b>	<b>670</b>	<b>8,362</b>	<b>0</b>	<b>7,725</b>	<b>46,539</b>	<b>54,264</b>	<b>48,220</b>	<b>220,060</b>
<b>LOUISA</b>	<b>GORDONSVILLE POWER STATION</b>							<b>819 HILL RD</b>				<b>NAICS Code</b>	<b>22111</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
AMMONIA	N	0	20,600	20,600	0	0	20,600	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GORDONSVILLE POWER STATION		0	20,600	20,600	0	0	20,600	0	0	0	0	0	0
<b>LOUISA</b>		<b>OLD DOMINION ELECTRIC CO-OP LOUISA GENERATION FACILITY</b>						<b>3352 KLOCKNER RD</b>				<b>NAICS Code</b>	<b>22111</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLD DOMINION ELECTRIC CO-OP LOUIS		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (7 reports)		0	20,600	20,600	0	0	20,600	0	0	0	0	0	0
<b>LUNENBURG</b>		<b>VIRGINIA MARBLE MANUFACTURERS INC</b>						<b>1201 5TH AVE</b>				<b>NAICS Code</b>	<b>32619</b>
STYRENE	N	0	45,321	45,321	0	0	45,321	0	0	0	0	0	0
STYRENE	N	0	72,853	72,853	0	0	72,853	0	0	0	0	0	0
Total for VIRGINIA MARBLE MANUFACTURERS IN		0	118,174	118,174	0	0	118,174	0	0	0	0	0	0
Total for Above County : (2 reports)		0	118,174	118,174	0	0	118,174	0	0	0	0	0	0
<b>LYNCHBURG (CITY)</b>		<b>BANKER STEEL COMPANY, LLC</b>						<b>1619 WYTHE RD</b>				<b>NAICS Code</b>	<b>33231</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	10,970
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	23,536
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	19,875
Total for BANKER STEEL COMPANY, LLC		0	0	0	0	0	0	0	0	0	0	0	54,381
<b>LYNCHBURG (CITY)</b>		<b>DAVIS-FROST INC</b>						<b>3416 CANDLERS MOUNTAIN RD</b>				<b>NAICS Code</b>	<b>32551</b>
CERTAIN GLYCOL ETHERS	N	0	486	486	0	0	486	0	0	0	0	0	0

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Chemical Name	form A*												
XYLENE (MIXED ISOMERS)	N	0	1,687	1,687	0	0	1,687	0	0	0	0	0	30,064
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for DAVIS-FROST INC		0	2,173	2,173	0	0	2,173	0	0	0	0	0	30,064
<b>LYNCHBURG (CITY)</b>	<b>FLOWERVE CORP LYNCHBURG VA</b>							<b>5114 WOODALL RD</b>				<b>NAICS Code</b>	<b>33399</b>
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for FLOWERVE CORP LYNCHBURG VA		0	0	0	0	0	0	0	0	0	0	0	0
<b>LYNCHBURG (CITY)</b>	<b>GRIFFIN PIPE PRODUCTS CO</b>							<b>10 ADAMS ST</b>				<b>NAICS Code</b>	<b>33151</b>
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	2
MANGANESE COMPOUNDS	N	13	1,547	1,560	0	69	1,629	0	0	0	0	0	319,661
ZINC COMPOUNDS	N	79	25,521	25,600	0	32	25,632	0	0	0	0	444	938,142
Total for GRIFFIN PIPE PRODUCTS CO		92	27,068	27,160	0	101	27,261	0	0	0	0	444	1,257,805
<b>LYNCHBURG (CITY)</b>	<b>LSC COMMUNICATIONS / LYNCHBURG</b>							<b>4201 MURRAY PL</b>				<b>NAICS Code</b>	<b>32311</b>
BARIUM COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	6	6
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	57	1,642
TOLUENE	N	0	12,958	12,958	0	0	12,958	0	0	0	0	5	153,213
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	112	81
Total for LSC COMMUNICATIONS / LYNCHBURG		0	12,958	12,958	0	0	12,958	0	0	0	0	180	154,942
<b>LYNCHBURG (CITY)</b>	<b>NORCRAFT COMPANIES</b>							<b>1 MILLRACE DR</b>				<b>NAICS Code</b>	<b>33711</b>
TOLUENE	N	0	24,805	24,805	0	0	24,805	0	0	0	0	0	342
XYLENE (MIXED ISOMERS)	N	0	53,495	53,495	0	0	53,495	0	0	0	0	0	4,568
Total for NORCRAFT COMPANIES		0	78,300	78,300	0	0	78,300	0	0	0	0	0	4,910

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Chemical Name	form A*												
<b>LYNCHBURG (CITY)</b>	<b>SLOCUM ADHESIVES CORP</b>							<b>1409 BUCHANAN ST</b>				<b>NAICS Code</b>	<b>32552</b>
1-BROMOPROPANE	N	1,213	0	1,213	0	0	1,213	0	0	0	0	0	0
DICHLOROMETHANE	N	15,637	0	15,637	0	0	15,637	0	0	0	0	0	0
N-HEXANE	N	5,169	0	5,169	0	0	5,169	0	0	0	0	0	0
TOLUENE	N	5,512	0	5,512	0	0	5,512	0	0	0	0	0	0
TRICHLOROETHYLENE	N	1,781	0	1,781	0	0	1,781	0	0	0	0	0	0
Total for SLOCUM ADHESIVES CORP		<b>29,312</b>	<b>0</b>	<b>29,312</b>	<b>0</b>	<b>0</b>	<b>29,312</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>LYNCHBURG (CITY)</b>	<b>SMITH MOUNTAIN INDUSTRIES, INC.</b>							<b>1000 DILLARD DR</b>				<b>NAICS Code</b>	<b>33999</b>
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for SMITH MOUNTAIN INDUSTRIES, INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>LYNCHBURG (CITY)</b>	<b>WESTOVER DAIRY</b>							<b>2801 FORT AVE</b>				<b>NAICS Code</b>	<b>31151</b>
NITRIC ACID	N	0	0	0	0	0	0	0	0	10,948	10,948	0	0
Total for WESTOVER DAIRY		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,948</b>	<b>10,948</b>	<b>0</b>	<b>0</b>
Total for Above County : (24 reports)		<b>29,404</b>	<b>120,499</b>	<b>149,903</b>	<b>0</b>	<b>101</b>	<b>150,005</b>	<b>0</b>	<b>0</b>	<b>10,948</b>	<b>10,948</b>	<b>625</b>	<b>1,502,102</b>
<b>MADISON</b>	<b>MADISON WOOD PRESERVERS INC.</b>							<b>216 OAK PARK RD</b>				<b>NAICS Code</b>	<b>32111</b>
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS (EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MADISON WOOD PRESERVERS INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Total for Above County : (3 reports)		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>MANASSAS (CITY)</b>	<b>QG PRINTING II CORP</b>							<b>7619 DOANE DR</b>				<b>NAICS Code</b>	<b>32311</b>

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
CERTAIN GLYCOL ETHERS	N	3,333	156	3,489	0	0	3,489	0	0	7,622	7,622	0	0
Total for QG PRINTING II CORP		3,333	156	3,489	0	0	3,489	0	0	7,622	7,622	0	0
Total for Above County : (1 record)		3,333	156	3,489	0	0	3,489	0	0	7,622	7,622	0	0
<b>MECKLENBURG</b>		<b>AMERICAN BUILDINGS COMPANY-LA CROSSE</b>						<b>501 GOLDEN EAGLE DR</b>				<b>NAICS Code 33231</b>	
MANGANESE	N	6	0	6	0	0	6	0	0	0	0	0	26,249
NICKEL	N	1	0	1	0	0	1	0	0	0	0	0	2,238
Total for AMERICAN BUILDINGS COMPANY-LA CR		7	0	7	0	0	7	0	0	0	0	0	28,487
<b>MECKLENBURG</b>		<b>MECKLENBURG POWER STATION</b>						<b>204 COGEN DR</b>				<b>NAICS Code 22111</b>	
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER	N	0	306	306	0	0	306	0	0	55,900	55,900	0	0
Total for MECKLENBURG POWER STATION		0	306	306	0	0	306	0	0	55,900	55,900	0	0
Total for Above County : (6 reports)		7	306	313	0	0	313	0	0	55,900	55,900	0	28,487
<b>MONTGOMERY</b>		<b>ALLIANT TECHSYSTEMS OPERATIONS LLC (NEW RIVER ENERGETI</b>						<b>RT 114 RADFORD ARMY AMMUNITION PLANT</b>				<b>NAICS Code 32592</b>	
DIPHENYLAMINE	N	0	60	60	0	0	60	0	1,533	0	1,533	56	942
NITRATE COMPOUNDS	N	0	8	8	0	0	8	0	353	0	353	143,637	134,761
NITROGLYCERIN	N	0	10,146	10,146	0	0	10,146	0	100,283	0	100,283	80,308	119,567
Total for ALLIANT TECHSYSTEMS OPERATIONS L		0	10,214	10,214	0	0	10,214	0	102,169	0	102,169	224,001	255,270
<b>MONTGOMERY</b>		<b>BAE SYSTEMS, ORDNANCE SYSTEMS INC</b>						<b>RADFORD ARMY AMMUNITION PLANT 4050 N HARRIS</b>				<b>NAICS Code 32592</b>	
2,4-DINITROTOLUENE	N	1,521	0	1,521	0	0	1,521	0	0	4,939	4,939	0	0
AMMONIA	N	23,513	211	23,724	0	437	24,161	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
CHLORINE	N	0	0	0	0	0	0	0	0	5,000	5,000	0	0
COPPER COMPOUNDS	N	1,261	123	1,384	0	80	1,464	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND	N	0	537,809	537,809	0	0	537,809	0	0	0	0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	11,485,391	11,485,391	0	0	7,735	7,735	0	0
NITRIC ACID	N	830	825	1,655	0	0	1,655	0	27,489,363	11,485,391	38,974,754	0	0
NITROGLYCERIN	N	0	57,218	57,218	0	13	57,231	0	0	200,451	200,451	0	179
SULFURIC ACID (1994 AND AFTER	N	0	76,439	76,439	0	0	76,439	0	0	0	0	0	0
Total for BAE SYSTEMS, ORDNANCE SYSTEMS I		27,125	672,625	699,750	0	11,485,921	12,185,671	0	27,489,363	11,703,516	39,192,879	0	179
<b>MONTGOMERY</b>	<b>FEDERAL-MOGUL CORP</b>							<b>300 INDUSTRIAL PARK RD SE</b>				<b>NAICS Code</b>	<b>33635</b>
ALUMINUM (FUME OR DUST)	N	97	9,714	9,811	0	0	9,811	0	0	0	0	0	412,948
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	N	1	89	90	0	1	91	0	0	0	0	7	22,196
Total for FEDERAL-MOGUL CORP		98	9,803	9,901	0	1	9,902	0	0	0	0	7	435,144
<b>MONTGOMERY</b>	<b>HUBBELL LIGHTING INC</b>							<b>2000 ELECTRIC WAY</b>				<b>NAICS Code</b>	<b>33512</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	1,550
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	10,665
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	13,500	13,500
NITRIC ACID	N	0	40	40	0	0	40	0	0	13,757	13,757	0	0
Total for HUBBELL LIGHTING INC		0	40	40	0	0	40	0	0	13,757	13,757	13,500	25,715
<b>MONTGOMERY</b>	<b>PROCHEM, INC</b>							<b>5100 ENTERPRISE DR</b>				<b>NAICS Code</b>	<b>32599</b>
BARIUM COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
NITRIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix F

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
PERACETIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	0
SODIUM DIMETHYLDITHIOCARBA	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PROCHEM, INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>MONTGOMERY WOLVERINE ADVANCED MATERIALS</b>								<b>201 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>33281</b>
METHYL ISOBUTYL KETONE	N	30	1,246	1,277	0	0	1,277	0	664	176,811	177,475	0	0
METHYL ISOBUTYL KETONE	N	48	3,089	3,137	0	0	3,137	0	4,920	511,711	516,631	0	0
TOLUENE	N	103	6,464	6,567	0	0	6,567	0	2,871	916,965	919,836	0	0
TOLUENE	N	214	11,780	11,994	0	0	11,994	0	21,275	1,951,553	1,972,828	0	0
Total for WOLVERINE ADVANCED MATERIALS		395	22,579	22,974	0	0	22,974	0	29,730	3,557,040	3,586,770	0	0
Total for Above County : (28 reports)		27,618	715,261	742,879	0	11,485,922	12,228,802	0	27,621,262	15,274,312	42,895,574	237,508	716,309
<b>NEWPORT NEWS (CITY) CANON VIRGINIA INC</b>								<b>12000 CANON BLVD</b>				<b>NAICS Code</b>	<b>33441</b>
METHANOL	N	2,479	708	3,187	0	0	3,187	0	41,862	0	41,862	0	16,575
O-XYLENE	N	600	480	1,080	0	0	1,080	0	18,534	0	18,534	0	17,612
Total for CANON VIRGINIA INC		3,079	1,188	4,267	0	0	4,267	0	60,396	0	60,396	0	34,187
<b>NEWPORT NEWS (CITY) CONTINENTAL AUTOMOTIVE SYSTEMS INC</b>								<b>615 BLAND BLVD</b>				<b>NAICS Code</b>	<b>33631</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	139,335
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	8,708
Total for CONTINENTAL AUTOMOTIVE SYSTEMS I		0	0	0	0	0	0	0	0	0	0	0	148,043
<b>NEWPORT NEWS (CITY) HUNTINGTON INGALLS INCORPORATED</b>								<b>4101 WASHINGTON AVE</b>				<b>NAICS Code</b>	<b>33661</b>
1,2,4-TRIMETHYLBENZENE	N	22,725	230	22,955	0	0	22,955	0	0	0	0	0	1,069
CHROMIUM	N	127	2	129	0	206	335	0	0	0	0	117	107
COPPER	N	262	1	263	0	55	318	0	0	0	0	49	374

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	31,456
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	0	0	0	730
MANGANESE	N	220	12	232	0	114	346	0	0	0	0	90	454
N-BUTYL ALCOHOL	N	42,668	197	42,865	0	0	42,865	0	0	0	0	3	159
NICKEL	N	126	3	129	0	34	163	0	0	0	0	117	93
XYLENE (MIXED ISOMERS)	N	19,765	200	19,965	0	0	19,965	0	0	0	0	0	30,714
Total for HUNTINGTON INGALLS INCORPORATED		<b>85,893</b>	<b>645</b>	<b>86,538</b>	<b>0</b>	<b>409</b>	<b>86,947</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>377</b>	<b>65,156</b>
<b>NEWPORT NEWS (CITY)</b>	<b>JOINT BASE LANGLEY EUSTIS-EUSTIS (JBLE-EUSTIS)</b>							<b>705 WASHINGTON BLVD</b>				<b>NAICS Code</b>	<b>92811</b>
ETHYLENE GLYCOL	N	5	5	10	0	0	10	0	0	0	0	0	5,340
Total for JOINT BASE LANGLEY EUSTIS-EUSTIS (		<b>5</b>	<b>5</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,340</b>
<b>NEWPORT NEWS (CITY)</b>	<b>KINYO VIRGINIA INC</b>							<b>290 ENTERPRISE DR</b>				<b>NAICS Code</b>	<b>32629</b>
TOLUENE	N	70,340	25,760	96,100	0	0	96,100	0	0	0	0	0	11,153
Total for KINYO VIRGINIA INC		<b>70,340</b>	<b>25,760</b>	<b>96,100</b>	<b>0</b>	<b>0</b>	<b>96,100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,153</b>
<b>NEWPORT NEWS (CITY)</b>	<b>MARVA MAID DAIRY</b>							<b>5500 CHESTNUT AVE</b>				<b>NAICS Code</b>	<b>31151</b>
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	18,252	16,427
NITRIC ACID	N	0	0	0	0	0	0	0	0	17,987	17,987	556	556
Total for MARVA MAID DAIRY		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,987</b>	<b>17,987</b>	<b>18,808</b>	<b>16,983</b>
<b>NEWPORT NEWS (CITY)</b>	<b>MICA CO OF CANADA INC</b>							<b>900 JEFFERSON AVE</b>				<b>NAICS Code</b>	<b>32799</b>
METHANOL	N	250	22,650	22,900	0	0	22,900	0	0	0	0	0	0
TOLUENE	N	250	26,399	26,649	0	0	26,649	0	0	0	0	0	0
Total for MICA CO OF CANADA INC		<b>500</b>	<b>49,049</b>	<b>49,549</b>	<b>0</b>	<b>0</b>	<b>49,549</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>NEWPORT NEWS (CITY)</b>	<b>PAPCO OIL COMPANY</b>							<b>407 JEFFERSON AVENUE</b>				<b>NAICS Code</b>	<b>42471</b>

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NAPHTHALENE	N	2	0	2	0	0	2	0	0	0	0	0	0
Total for PAPCO OIL COMPANY		2	0	2	0	0	2	0	0	0	0	0	0
Total for Above County : (20 reports)		159,819	76,647	236,466	0	409	236,875	0	60,396	17,987	78,383	19,185	280,862
<b>NORFOLK (CITY)</b>		<b>BAE SYSTEMS NORFOLK SHIP REPAIR</b>						<b>750 W BERKLEY AVE</b>				<b>NAICS Code</b>	<b>33661</b>
COPPER COMPOUNDS	N	607	0	607	0	72	679	0	0	0	0	212	10,200
N-BUTYL ALCOHOL	N	3,191	0	3,191	0	0	3,191	0	0	0	0	0	5,326
XYLENE (MIXED ISOMERS)	N	1,538	0	1,538	0	0	1,538	0	0	0	0	0	1,670
Total for BAE SYSTEMS NORFOLK SHIP REPAIR		5,336	0	5,336	0	72	5,408	0	0	0	0	212	17,196
<b>NORFOLK (CITY)</b>		<b>CAPITAL CONCRETE INC.</b>						<b>400 STAPLETON ST</b>				<b>NAICS Code</b>	<b>32732</b>
NITRATE COMPOUNDS	N	0	0	0	0	83	83	0	0	83	83	0	0
Total for CAPITAL CONCRETE INC.		0	0	0	0	83	83	0	0	83	83	0	0
<b>NORFOLK (CITY)</b>		<b>COLONNA'S SHIPYARD INC</b>						<b>400 E INDIAN RIVER RD</b>				<b>NAICS Code</b>	<b>33661</b>
COPPER COMPOUNDS	N	4,225	0	4,225	0	3	4,228	0	0	0	0	12	9
N-BUTYL ALCOHOL	N	11,381	0	11,381	0	0	11,381	0	0	0	0	0	1,889
XYLENE (MIXED ISOMERS)	N	21,432	0	21,432	0	0	21,432	0	0	0	0	0	3,123
ZINC COMPOUNDS	N	2,354	0	2,354	0	23	2,377	0	0	0	0	24	16
Total for COLONNA'S SHIPYARD INC		39,392	0	39,392	0	26	39,418	0	0	0	0	36	5,036
<b>NORFOLK (CITY)</b>		<b>TITAN VIRGINIA READY-MIX LLC-CAMPOSTELLA PLANT</b>						<b>2125 KIMBALL TERRACE</b>				<b>NAICS Code</b>	<b>32732</b>
NITRATE COMPOUNDS	N	0	0	0	0	65	65	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-CAMPO		0	0	0	0	65	65	0	0	0	0	0	0
<b>NORFOLK (CITY)</b>		<b>US NAVY JOINT EXPEDITIONARY LITTLE CREEK RANGE</b>						<b>2600 TARAWA CT SUITE 100</b>				<b>NAICS Code</b>	<b>92811</b>
NAPHTHALENE	N	3	1	4	0	0	4	0	0	68	68	0	489

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Chemical Name	form A*												
Total for US NAVY JOINT EXPEDITIONARY LITTLE		3	1	4	0	0	4	0	0	68	68	0	489
<b>NORFOLK (CITY)</b>	<b>US NAVY NAVAL STATION NORFOLK RANGE</b>							<b>1530 GILBERT ST</b>				<b>NAICS Code</b>	<b>92811</b>
NAPHTHALENE	N	125	52	178	0	755	933	0	0	400	400	0	3,325
Total for US NAVY NAVAL STATION NORFOLK RA		125	52	178	0	755	933	0	0	400	400	0	3,325
<b>Total for Above County : (11 reports)</b>		<b>44,856</b>	<b>53</b>	<b>44,910</b>	<b>0</b>	<b>1,000</b>	<b>45,910</b>	<b>0</b>	<b>0</b>	<b>551</b>	<b>551</b>	<b>248</b>	<b>26,046</b>
<b>NORTHUMBERLAND</b>	<b>CARRY-ON TRAILER CORP</b>							<b>617 HARRY HOGAN RD</b>				<b>NAICS Code</b>	<b>33621</b>
MANGANESE	N	14	0	14	0	0	14	0	0	0	0	0	514
Total for CARRY-ON TRAILER CORP		14	0	14	0	0	14	0	0	0	0	0	514
<b>NORTHUMBERLAND</b>	<b>OMEGA PROTEIN INC</b>							<b>610 MENHADEN RD</b>				<b>NAICS Code</b>	<b>31161</b>
AMMONIA	N	0	18,000	18,000	0	178	18,178	0	0	0	0	0	0
Total for OMEGA PROTEIN INC		0	18,000	18,000	0	178	18,178	0	0	0	0	0	0
<b>Total for Above County : (2 reports)</b>		<b>14</b>	<b>18,000</b>	<b>18,014</b>	<b>0</b>	<b>178</b>	<b>18,192</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>514</b>
<b>NOTTOWAY</b>	<b>COX WOOD OF VIRGINIA</b>							<b>2960 COX RD</b>				<b>NAICS Code</b>	<b>32111</b>
ARSENIC COMPOUNDS	N	0	0	0	0	22	22	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	22	22	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	0	0	0	23	23	0	0	0	0	0	0
Total for COX WOOD OF VIRGINIA		0	0	0	0	67	67	0	0	0	0	0	0
<b>NOTTOWAY</b>	<b>TYSON FARMS INC. - FEED MILL</b>							<b>1938 PATRICK HENRY HWY</b>				<b>NAICS Code</b>	<b>31111</b>
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for TYSON FARMS INC. - FEED MILL		0	0	0	0	0	0	0	0	0	0	0	0
<b>NOTTOWAY</b>		<b>US ARMY NATIONAL GUARD FORT PICKETT (RANGES)</b>						<b>US PFO BUILDING 316 FORT PICKETT</b>				<b>NAICS Code</b>	<b>92811</b>
COPPER	N	0	0	0	80,764	0	80,764	0	0	0	0	0	0
NITROGLYCERIN	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for US ARMY NATIONAL GUARD FORT PICK		0	0	0	80,764	0	80,764	0	0	0	0	0	0
<b>Total for Above County : (8 reports)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>80,764</b>	<b>67</b>	<b>80,831</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PATRICK</b>		<b>MICROMETRICS SYSTEM</b>						<b>225 JEB STUART HWY</b>				<b>NAICS Code</b>	<b>33271</b>
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
PROPYLENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MICROMETRICS SYSTEM		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (2 reports)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PETERSBURG (CITY)</b>		<b>AMSTED RAIL CO INC</b>						<b>2580 FRONTAGE RD</b>				<b>NAICS Code</b>	<b>33211</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	7	86,962
COPPER	N	0	0	0	0	0	0	0	0	0	0	7	47,544
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	137,895
NICKEL	N	0	1	1	0	0	1	0	0	0	0	55	87,769
Total for AMSTED RAIL CO INC		0	1	1	0	0	1	0	0	0	0	69	360,170
<b>PETERSBURG (CITY)</b>		<b>BLEACHTECH LLC</b>						<b>2020 BESSEMER RD</b>				<b>NAICS Code</b>	<b>32518</b>
CHLORINE	N	5	250	255	0	0	255	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for BLEACHTECH LLC		10	255	265	0	0	265	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
PETERSBURG (CITY) DOMINION CHEMICAL CO INC								2050 PUDDLEDOCK RD				NAICS Code	32599
AMMONIA	N	5	5	10	0	0	10	0	0	0	0	0	0
METHANOL	N	250	250	500	0	0	500	0	0	0	0	0	0
Total for DOMINION CHEMICAL CO INC		255	255	510	0	0	510	0	0	0	0	0	0
PETERSBURG (CITY) PRE CON INC								220 S PERRY ST				NAICS Code	31332
CYCLOHEXANE	N	181	155	336	0	0	336	0	0	2,089	2,089	0	21,192
Total for PRE CON INC		181	155	336	0	0	336	0	0	2,089	2,089	0	21,192
PETERSBURG (CITY) VALMONT-VIRGINIA GALVANIZING INC								3535 HALIFAX RD				NAICS Code	33281
ZINC COMPOUNDS	N	511	255	766	0	975	1,741	0	0	0	0	0	41,998
Total for VALMONT-VIRGINIA GALVANIZING INC		511	255	766	0	975	1,741	0	0	0	0	0	41,998
Total for Above County : (10 reports)		957	921	1,878	0	975	2,853	0	0	2,089	2,089	69	423,360
PITTSYLVANIA ARKEMA INC								601 TIGHTSQUEEZE IND US TRIAL RD				NAICS Code	32521
ACRYLIC ACID	N	1,400	560	1,960	0	0	1,960	0	0	371,000	371,000	0	0
BUTYL ACRYLATE	N	1,200	750	1,950	0	0	1,950	0	0	9,800	9,800	0	500
CERTAIN GLYCOL ETHERS	N	5	5	10	0	0	10	0	0	135	135	0	1,255
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
HYDROQUINONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHYL METHACRYLATE	N	750	250	1,000	0	0	1,000	0	0	4,500	4,500	0	750
PHTHALIC ANHYDRIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	N	2,000	750	2,750	0	0	2,750	0	1,360,000	31,100	1,391,100	0	511,750
TOLUENE DIISOCYANATE (MIXED	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for ARKEMA INC		5,355	2,315	7,670	0	0	7,670	0	1,360,000	416,535	1,776,535	0	514,255

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Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
PITTSYLVANIA DANCHEM TECHNOLOGIES INC								1975 OLD RICHMOND RD				NAICS Code	32521
ACRYLONITRILE	N	11	39	50	0	0	50	0	0	20	20	40	36
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	235	170
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	17	1,568
DIISOCYANATES	N	0	0	0	0	0	0	0	0	2,516	2,516	0	500
ETHYLENE GLYCOL	N	97	1	98	0	0	98	0	0	0	0	0	1,050
MALEIC ANHYDRIDE	N	148	2	149	0	0	149	0	0	0	0	0	5,940
N-BUTYL ALCOHOL	N	6,999	23,391	30,390	0	0	30,390	0	1,019,321	1,141,036	2,160,357	0	158,717
NITRIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	113,720
PHENOL	N	0	1	1	0	0	1	0	0	0	0	103	95
TOLUENE	N	2,367	3,001	5,368	0	0	5,368	0	0	36,755	36,755	6	297,285
XYLENE (MIXED ISOMERS)	N	3,414	1,643	5,057	0	0	5,057	0	0	0	0	0	3,206
Total for DANCHEM TECHNOLOGIES INC		13,036	28,077	41,113	0	0	41,113	0	1,019,321	1,180,327	2,199,648	401	582,286
PITTSYLVANIA ELKAY WOOD PRODUCTS CO								2000 CANE CREEK PKWY				NAICS Code	33711
TOLUENE	N	1,696	5,089	6,785	0	0	6,785	0	0	0	0	0	3,006
XYLENE (MIXED ISOMERS)	N	7,456	22,368	29,824	0	0	29,824	0	0	0	0	0	12,614
Total for ELKAY WOOD PRODUCTS CO		9,152	27,457	36,609	0	0	36,609	0	0	0	0	0	15,620
PITTSYLVANIA INTERTAPE POLYMER CORP								1101 EAGLE SPRINGS RD				NAICS Code	32611
TOLUENE	N	6,458	74,262	80,720	0	0	80,720	0	2,338,796	0	2,338,796	0	0
Total for INTERTAPE POLYMER CORP		6,458	74,262	80,720	0	0	80,720	0	2,338,796	0	2,338,796	0	0
PITTSYLVANIA JTI LEAF SERVICES (US) LLC								202 STINSON DRIVE				NAICS Code	31223
AMMONIA	N	1,156	4,676	5,832	0	0	5,832	0	0	0	0	1,352	811
NICOTINE AND SALTS	N	22,079	47,829	69,908	0	0	69,908	0	0	0	0	4,390	88

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Chemical Name	form A*												
SULFURIC ACID (1994 AND AFTER	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for JTI LEAF SERVICES (US) LLC		23,235	52,505	75,740	0	0	75,740	0	0	0	0	5,742	899
<b>PITTSYLVANIA</b>													
POLYNT COMPOSITES USA INC.								920 TIGHTSQUEEZE IND US TRIAL RD				NAICS Code	32521
DICYCLOPENTADIENE	N	1,200	0	1,200	0	0	1,200	0	0	0	0	0	3,200
ETHYLBENZENE	N	0	0	0	0	0	0	0	0	0	0	0	6,750
ETHYLENE GLYCOL	N	750	1,400	2,150	0	0	2,150	0	0	0	0	0	32,190
MALEIC ANHYDRIDE	N	1,600	750	2,350	0	0	2,350	0	0	0	0	0	160
PHTHALIC ANHYDRIDE	N	750	250	1,000	0	0	1,000	0	0	0	0	0	160
STYRENE	N	6,400	3,000	9,400	0	0	9,400	0	0	0	0	0	4,400
Total for POLYNT COMPOSITES USA INC.		10,700	5,400	16,100	0	0	16,100	0	0	0	0	0	46,860
<b>PITTSYLVANIA</b>													
SMITH MOUNTAIN INDUSTRIES, INC.								200 TOY LANE				NAICS Code	33999
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for SMITH MOUNTAIN INDUSTRIES, INC.		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (33 reports)		67,936	190,016	257,952	0	0	257,952	0	4,718,117	1,596,862	6,314,979	6,143	1,159,920
<b>PORTSMOUTH (CITY)</b>													
U.S. AMINES (PORTSMOUTH) LLC								3230 W NORFOLK RD				NAICS Code	32519
3-CHLORO-2-METHYL-1-PROPENE	N	71	1	72	0	0	72	0	0	28	28	0	0
ALLYL CHLORIDE	N	253	7	260	0	0	260	0	0	345	345	0	0
ALLYLAMINE	N	248	2,600	2,848	0	0	2,848	0	0	127,400	127,400	0	0
AMMONIA	N	56	0	56	0	0	56	0	0	0	0	6	4
Total for U.S. AMINES (PORTSMOUTH) LLC		628	2,608	3,236	0	0	3,236	0	0	127,773	127,773	6	4
<b>PORTSMOUTH (CITY)</b>													
U.S. NAVY NORFOLK NAVAL SHIPYARD								INTERSECTION OF EFFINGHAM ST & GEORGE ST				NAICS Code	92811
N-BUTYL ALCOHOL	N	8,400	2,900	11,300	0	0	11,300	0	0	0	0	0	338

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Chemical Name	form A*												
XYLENE (MIXED ISOMERS)	N	5,100	2,000	7,100	0	0	7,100	0	0	0	0	16	11,057
Total for U.S. NAVY NORFOLK NAVAL SHIPYARD		13,500	4,900	18,400	0	0	18,400	0	0	0	0	16	11,395
<b>PORTSMOUTH (CITY)</b>	<b>US NAVY DEFENSE FUEL SUPPORT POINT CRANEY ISLAND</b>							<b>4501 CEDAR LN BLDG 288</b>				<b>NAICS Code</b>	<b>92811</b>
NAPHTHALENE	N	218	0	218	0	0	218	0	44,365	246	44,611	0	44,978
Total for US NAVY DEFENSE FUEL SUPPORT POI		218	0	218	0	0	218	0	44,365	246	44,611	0	44,978
Total for Above County : (7 reports)		14,346	7,508	21,854	0	0	21,854	0	44,365	128,019	172,384	22	56,378
<b>PRINCE EDWARD</b>	<b>CMC REBAR</b>							<b>300 SMI WAY</b>				<b>NAICS Code</b>	<b>33231</b>
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CMC REBAR		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>PRINCE GEORGE</b>	<b>GREEN PLAINS HOPEWELL LLC</b>							<b>701 S 6TH AVE</b>				<b>NAICS Code</b>	<b>32519</b>
ACETALDEHYDE	N	28	7,600	7,628	0	0	7,628	0	0	198,982	198,982	0	0
ACROLEIN	N	5	940	945	0	0	945	0	0	24,542	24,542	0	0
AMMONIA	N	0	4,400	4,400	0	0	4,400	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
CYCLOHEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	N	17	150	167	0	0	167	0	0	879	879	0	0
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
FORMALDEHYDE	N	9	3,400	3,409	0	0	3,409	0	0	89,222	89,222	0	0
METHANOL	N	5	1,200	1,205	0	0	1,205	0	0	31,402	31,402	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	N	55	5,600	5,655	0	0	5,655	0	0	107,311	107,311	0	0

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Chemical Name	form A*												
PROPYLENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	N	22	270	292	0	0	292	0	0	3,073	3,073	0	0
XYLENE (MIXED ISOMERS)	N	1	150	151	0	0	151	0	0	2,926	2,926	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GREEN PLAINS HOPEWELL LLC		142	23,710	23,852	0	0	23,852	0	0	458,337	458,337	0	0
<b>PRINCE GEORGE</b> METL-SPAN, A DIVISION OF NCI GROUP, INC.								6001 QUALITY WAY				NAICS Code	33231
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for METL-SPAN, A DIVISION OF NCI GROUP,		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (16 reports)		142	23,710	23,852	0	0	23,852	0	0	458,337	458,337	0	0
<b>PRINCE WILLIAM</b> MANASSAS BROAD RUN READY MIX CONCRETE								9321 DEVELOPERS DRIVE				NAICS Code	32732
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MANASSAS BROAD RUN READY MIX CO		0	0	0	0	0	0	0	0	0	0	0	0
<b>PRINCE WILLIAM</b> MICRON TECHNOLOGY INC.								9600 GODWIN DR				NAICS Code	33441
AMMONIA	N	500	14,000	14,500	0	100	14,600	0	0	150,000	150,000	44,000	44,000
FLUORINE	N	0	2,200	2,200	0	0	2,200	0	0	110,000	110,000	0	0
HYDROGEN FLUORIDE	N	0	6,500	6,500	0	0	6,500	0	0	880,000	880,000	0	560
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	63,000	57,000
NITRIC ACID	N	0	64	64	0	0	64	0	0	63,000	63,000	0	560
OZONE	N	0	170	170	0	0	170	0	0	170,000	170,000	0	0
PROPYLENE	N	0	160	160	0	0	160	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER	N	0	660	660	0	0	660	0	0	140,000	140,000	0	0
Total for MICRON TECHNOLOGY INC.		500	23,754	24,254	0	100	24,354	0	0	1,513,000	1,513,000	107,000	102,120

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>PRINCE WILLIAM</b>		<b>POSSUM POINT POWER STATION</b>						<b>19000 POSSUM POINT RD</b>				<b>NAICS Code</b>	<b>22111</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	10,700	10,700	0	21,500	32,200	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	N	0	2,080	2,080	0	0	2,080	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER	N	0	7,200	7,200	0	0	7,200	0	0	21,300	21,300	0	0
Total for POSSUM POINT POWER STATION		<b>0</b>	<b>19,980</b>	<b>19,980</b>	<b>0</b>	<b>21,500</b>	<b>41,480</b>	<b>0</b>	<b>0</b>	<b>21,300</b>	<b>21,300</b>	<b>0</b>	<b>0</b>
<b>PRINCE WILLIAM</b>		<b>QUARLES PETROLEUM INC. MANASSAS BULK PLANT</b>						<b>8001 WELLINGFORD DR</b>				<b>NAICS Code</b>	<b>42471</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM INC. MANASSAS		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PRINCE WILLIAM</b>		<b>SAFETY-KLEEN SYSTEMS MANASSAS (MAN)</b>						<b>11520 BALLS FORD RD</b>				<b>NAICS Code</b>	<b>56211</b>
ETHYLENE GLYCOL	N	0	5	5	0	0	5	0	0	0	0	0	322,753
Total for SAFETY-KLEEN SYSTEMS MANASSAS (		<b>0</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>322,753</b>
<b>PRINCE WILLIAM</b>		<b>US MARINE CORPS BASE QUANTICO RANGE COMPLEX</b>						<b>3250 CATLIN AVE</b>				<b>NAICS Code</b>	<b>92811</b>
1,2,4-TRIMETHYLBENZENE	N	37	0	37	0	0	37	0	0	0	0	0	0
BENZENE	N	130	36	166	0	0	166	0	0	0	0	0	0
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	0
CUMENE	N	13	1	14	0	0	14	0	0	0	0	0	0

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Appendix F

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
ETHYLBENZENE	N	830	3	833	0	0	833	0	0	0	0	0	0
NAPHTHALENE	N	1	0	1	0	0	1	0	0	0	0	0	0
N-HEXANE	N	41	350	391	0	0	391	0	0	0	0	0	0
TOLUENE	N	970	45	1,015	0	0	1,015	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	420	16	436	0	0	436	0	0	0	0	0	0
Total for US MARINE CORPS BASE QUANTICO RA		2,441	451	2,893	0	0	2,893	0	0	0	0	0	0
<b>PRINCE WILLIAM VIRGINIA CONCRETE GAINESVILLE PLANT</b>								<b>7300 RAIL LINE CT</b>				<b>NAICS Code 32732</b>	
NITRATE COMPOUNDS	N	0	0	0	0	208	208	0	0	0	0	0	0
Total for VIRGINIA CONCRETE GAINESVILLE PLA		0	0	0	0	208	208	0	0	0	0	0	0
Total for Above County : (31 reports)		2,941	44,190	47,132	0	21,808	68,939	0	0	1,534,300	1,534,300	107,000	424,873
<b>PULASKI BONDCOTE CORP</b>								<b>509 BURGIS AVE</b>				<b>NAICS Code 31332</b>	
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	2,566
BARIUM COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	80
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	0	0	0	0	0	0	0	321
DIBUTYL PHTHALATE	N	0	0	0	0	0	0	0	0	0	0	0	3,127
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	1,604
Total for BONDCOTE CORP		0	0	0	0	0	0	0	0	0	0	0	7,698
<b>PULASKI CONN-WELD IND INC</b>								<b>NEW BERN RD STATE RD 682</b>				<b>NAICS Code 33313</b>	
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONN-WELD IND INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>PULASKI ELECTROPLATE-RITE CORP</b>								<b>5529 LEE HWY</b>				<b>NAICS Code 33281</b>	

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
ZINC COMPOUNDS	N	88	132	220	0	0	220	0	0	0	0	1	67
Total for ELECTROPLATE-RITE CORP		88	132	220	0	0	220	0	0	0	0	1	67
<b>PULASKI</b>		<b>JAMES HARDIE BUILDING PRODUCTS PULASKI</b>						<b>1000 JAMES HARDIE WAY</b>				<b>NAICS Code</b>	<b>32739</b>
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	0	0	0	0	0	0	2	6
COBALT COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	N	0	0	0	0	0	0	0	0	0	0	2	0
MANGANESE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for JAMES HARDIE BUILDING PRODUCTS P		0	0	0	0	0	0	0	0	0	0	4	7
<b>PULASKI</b>		<b>MAR-BAL, INC.</b>						<b>5400 RESERVE WAY</b>				<b>NAICS Code</b>	<b>32619</b>
STYRENE	N	933	0	933	0	0	933	0	0	0	0	0	3,678
Total for MAR-BAL, INC.		933	0	933	0	0	933	0	0	0	0	0	3,678
<b>PULASKI</b>		<b>NORDSON XALOY INC</b>						<b>102 XALOY WAY</b>				<b>NAICS Code</b>	<b>33299</b>
MANGANESE	N	1	15	16	0	0	16	0	0	0	0	0	20,963
Total for NORDSON XALOY INC		1	15	16	0	0	16	0	0	0	0	0	20,963
<b>PULASKI</b>		<b>TRIM SYSTEMS</b>						<b>320 NEWBERN RD</b>				<b>NAICS Code</b>	<b>33636</b>
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TRIM SYSTEMS		0	0	0	0	0	0	0	0	0	0	0	0
<b>PULASKI</b>		<b>VOLVO GROUP NORTH AMERICA, LLC</b>						<b>4881 COUGAR TRAIL ROAD</b>				<b>NAICS Code</b>	<b>33612</b>
ETHYLENE GLYCOL	N	47	5	52	0	0	52	0	0	11	11	0	14,817
METHANOL	N	40	140	180	0	0	180	0	0	0	0	0	931
N-BUTYL ALCOHOL	N	44	1,122	1,166	0	0	1,166	0	0	14,882	14,882	0	57,149
Total for VOLVO GROUP NORTH AMERICA, LLC		131	1,267	1,398	0	0	1,398	0	0	14,893	14,893	0	72,897

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Above County : (18 reports)		1,153	1,414	2,567	0	0	2,567	0	0	14,893	14,893	5	105,309
<b>RICHMOND</b>	<b>MONDELEZ GLOBAL LLC</b>							<b>6002 S LABURNUM AVE</b>				<b>NAICS Code</b>	<b>31182</b>
AMMONIA	N	0	118,662	118,662	0	0	118,662	0	0	0	0	0	0
Total for MONDELEZ GLOBAL LLC		0	118,662	118,662	0	0	118,662	0	0	0	0	0	0
<b>RICHMOND</b>	<b>QPI WARSAW BULK PLANT</b>							<b>11549 HISTORYLAND HWY</b>				<b>NAICS Code</b>	<b>42471</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QPI WARSAW BULK PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>RICHMOND</b>	<b>WOOD PRESERVERS INC</b>							<b>15939 HISTORY LAND HWY</b>				<b>NAICS Code</b>	<b>32111</b>
ARSENIC COMPOUNDS	N	0	0	0	0	1	1	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	1	1	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	0	0	0	1	1	0	0	0	0	0	0
STYRENE	N	200	3,807	4,007	0	0	4,007	0	0	0	0	0	0
Total for WOOD PRESERVERS INC		200	3,807	4,007	0	2	4,009	0	0	0	0	0	0
Total for Above County : (11 reports)		200	122,469	122,669	0	2	122,671	0	0	0	0	0	0
<b>RICHMOND (CITY)</b>	<b>BELLEMEADE POWER STATION</b>							<b>1860 COMMERCE RD</b>				<b>NAICS Code</b>	<b>22111</b>
AMMONIA	N	0	69,000	69,000	0	0	69,000	0	0	0	0	0	0
Total for BELLEMEADE POWER STATION		0	69,000	69,000	0	0	69,000	0	0	0	0	0	0

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Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
RICHMOND (CITY) CARPENTER CO RICHMOND PLANT								2400 JEFFERSON DAVIS HWY				NAICS Code	32615
DIISOCYANATES	N	0	3	3	0	0	3	0	0	0	0	0	15,944
TOLUENE DIISOCYANATE (MIXED	N	60	540	600	0	0	600	0	0	0	0	0	37,842
Total for CARPENTER CO RICHMOND PLANT		60	543	603	0	0	603	0	0	0	0	0	53,786
RICHMOND (CITY) KINDER MORGAN TRANSMIX COMPANY, LLC								3302 DEEPWATER TERMINAL RD				NAICS Code	42471
1,2,4-TRIMETHYLBENZENE	N	141	1	142	0	0	143	0	0	35	35	0	1
BENZENE	N	115	36	151	0	0	152	0	0	937	937	0	1
ETHYLBENZENE	N	33	3	36	0	0	36	0	0	71	71	0	1
N-HEXANE	N	92	32	125	0	0	125	0	0	846	846	0	0
TOLUENE	N	245	41	285	0	1	286	0	0	1,053	1,053	0	3
XYLENE (MIXED ISOMERS)	N	320	17	336	0	1	337	0	0	437	437	0	3
Total for KINDER MORGAN TRANSMIX COMPANY,		946	130	1,076	0	2	1,078	0	0	3,379	3,379	0	8
RICHMOND (CITY) LAND-O-SUN DAIRIES LLC (DBA PET DAIRY) RICHMOND								1505 ROBIN HOOD RD				NAICS Code	31151
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	64,381	64,381
NITRIC ACID	N	0	0	0	0	0	0	0	0	65,408	65,408	0	0
Total for LAND-O-SUN DAIRIES LLC (DBA PET DAI		0	0	0	0	0	0	0	0	65,408	65,408	64,381	64,381
RICHMOND (CITY) PHILIP MORRIS USA COMMERCE ROAD SITE								3601 COMMERCE RD				NAICS Code	31223
AMMONIA	N	201	20,146	20,347	0	0	20,347	0	0	5,088	5,088	2,483	1,495
NICOTINE AND SALTS	N	116	11,555	11,671	0	0	11,671	0	0	105,627	105,627	84,422	117,158
Total for PHILIP MORRIS USA COMMERCE ROAD		317	31,701	32,018	0	0	32,018	0	0	110,715	110,715	86,905	118,653
RICHMOND (CITY) SPRUANCE GENCO LLC								5001 COMMERCE RD				NAICS Code	22111
BARIUM COMPOUNDS	N	0	0	0	0	91	91	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
HYDROCHLORIC ACID (1995 AND	N	0	29,302	29,302	0	0	29,302	0	0	359,842	359,842	0	0
HYDROGEN FLUORIDE	N	0	3,663	3,663	0	0	3,663	0	0	44,980	44,980	0	0
SULFURIC ACID (1994 AND AFTER	N	26	38	64	0	0	64	0	0	118,488	118,488	0	0
Total for SPRUANCE GENCO LLC		26	33,004	33,030	0	91	33,121	0	0	523,310	523,310	0	0
<b>RICHMOND (CITY)</b>		<b>STERILIZATION SERVICES OF VIRGINIA</b>						<b>5674 EASTPORT BLVD</b>				<b>NAICS Code 33911</b>	
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	0	0	0	743,720
ETHYLENE OXIDE	N	0	7,777	7,777	0	0	7,777	0	0	363,858	363,858	0	0
Total for STERILIZATION SERVICES OF VIRGINIA		0	7,777	7,777	0	0	7,777	0	0	363,858	363,858	0	743,720
<b>RICHMOND (CITY)</b>		<b>TCS MATERIALS RICHMOND PLANT</b>						<b>2100 DEEPWATER TERMINAL ROAD</b>				<b>NAICS Code 32732</b>	
NITRATE COMPOUNDS	N	0	0	0	0	302	302	0	0	0	0	0	0
Total for TCS MATERIALS RICHMOND PLANT		0	0	0	0	302	302	0	0	0	0	0	0
<b>RICHMOND (CITY)</b>		<b>UPACO ADHESIVES INC</b>						<b>4105 CASTLEWOOD RD</b>				<b>NAICS Code 32552</b>	
TOLUENE	N	1,003	1,003	2,006	0	0	2,006	0	0	0	0	0	1,266
XYLENE (MIXED ISOMERS)	N	937	937	1,874	0	0	1,874	0	0	0	0	0	1,184
Total for UPACO ADHESIVES INC		1,940	1,940	3,880	0	0	3,880	0	0	0	0	0	2,450
Total for Above County : (22 reports)		3,290	144,094	147,384	0	395	147,779	0	0	1,066,670	1,066,670	151,286	982,998
<b>ROANOKE</b>		<b>ACCELLENT</b>						<b>200 S. YORKSHIRE STREET</b>				<b>NAICS Code 33299</b>	
NITRIC ACID	N	0	0	0	0	0	0	0	0	17,146	17,146	0	0
Total for Accellent		0	0	0	0	0	0	0	0	17,146	17,146	0	0
<b>ROANOKE</b>		<b>GRAHAM-WHITE MANUFACTURING CO.</b>						<b>1242 COLORADO ST</b>				<b>NAICS Code 33651</b>	
COPPER	N	43	0	43	0	5	48	0	0	0	0	0	19,413
Total for GRAHAM-WHITE MANUFACTURING CO.		43	0	43	0	5	48	0	0	0	0	0	19,413

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Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
ROANOKE	KIK (VIRGINIA) LLC							27 MILL LN				NAICS Code	32561
CHLORINE	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for KIK (VIRGINIA) LLC		1	0	1	0	0	1	0	0	0	0	0	0
ROANOKE	KOPPERS INC (ROANOKE)							4020 KOPPERS RD				NAICS Code	32111
CREOSOTE	N	1,800	2,400	4,200	0	1	4,201	0	1,000,000	50	1,000,050	0	15,000
Total for KOPPERS INC (ROANOKE)		1,800	2,400	4,200	0	1	4,201	0	1,000,000	50	1,000,050	0	15,000
ROANOKE	MEDECO SECURITY LOCKS INC.							3625 ALLEGHENY DR				NAICS Code	33251
COPPER COMPOUNDS	N	0	0	0	0	2	2	0	0	0	0	1	562,760
ZINC COMPOUNDS	N	0	1	1	0	19	20	0	0	0	0	1	308,579
Total for MEDECO SECURITY LOCKS INC.		0	1	1	0	21	21	0	0	0	0	2	871,339
ROANOKE	MENNEL MILLING CO OF VIRGINIA							5185 BENOIS RD				NAICS Code	31121
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for MENNEL MILLING CO OF VIRGINIA		0	0	0	0	0	0	0	0	0	0	0	0
ROANOKE	NEW MILLENNIUM BUILDING SYSTEMS							100 DIUGUIDS LANE				NAICS Code	33231
CERTAIN GLYCOL ETHERS	N	11,877	0	11,877	0	0	11,877	0	0	0	0	0	0
MANGANESE	N	144	0	144	0	0	144	0	0	0	0	0	55,282
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	4,507
Total for NEW MILLENNIUM BUILDING SYSTEMS		12,021	0	12,021	0	0	12,021	0	0	0	0	0	59,789
ROANOKE	NOBLE-MET LLC A SUBSIDIARY OF LAKE REGION MEDICAL							200 S YORKSHIRE ST				NAICS Code	33299
NITRIC ACID	N	0	0	0	0	0	0	0	0	17,146	17,146	0	0
Total for NOBLE-MET LLC A SUBSIDIARY OF LAK		0	0	0	0	0	0	0	0	17,146	17,146	0	0
ROANOKE	NOVOZYMES							420 KESLER MILL RD				NAICS Code	32541

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Chemical Name	form A*												
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	28
Total for NOVOZYMES		0	0	0	0	0	0	0	0	0	0	0	28
<b>ROANOKE</b>		<b>SAFETY-KLEEN SYSTEMS VINTON (ROA)</b>						<b>16090 STEWARTSVILLE RD</b>				<b>NAICS Code</b>	<b>56211</b>
ETHYLENE GLYCOL	N	0	5	5	0	0	5	0	0	0	0	0	245,316
Total for SAFETY-KLEEN SYSTEMS VINTON (ROA		0	5	5	0	0	5	0	0	0	0	0	245,316
<b>ROANOKE</b>		<b>TECTON PRODUCTS LLC</b>						<b>5415 CORPORATE CIR</b>				<b>NAICS Code</b>	<b>32619</b>
STYRENE	N	0	349	349	0	0	349	0	0	32,494	32,494	0	1,947
Total for TECTON PRODUCTS LLC		0	349	349	0	0	349	0	0	32,494	32,494	0	1,947
<b>ROANOKE</b>		<b>VIRGINIA TRANSFORMER CORP.</b>						<b>220 GLADE VIEW DR NE</b>				<b>NAICS Code</b>	<b>33531</b>
XYLENE (MIXED ISOMERS)	N	4,825	1,704	6,529	0	0	6,529	0	960	0	960	0	0
Total for VIRGINIA TRANSFORMER CORP.		4,825	1,704	6,529	0	0	6,529	0	960	0	960	0	0
<b>ROANOKE</b>		<b>YOKOHAMA TIRE MANUFACTURING VIRGINIA LLC</b>						<b>1500 INDIANA ST</b>				<b>NAICS Code</b>	<b>32621</b>
ZINC COMPOUNDS	N	4,001	0	4,001	0	5	4,006	0	0	0	0	65	17,932
Total for YOKOHAMA TIRE MANUFACTURING VIR		4,001	0	4,001	0	5	4,006	0	0	0	0	65	17,932
<b>Total for Above County : (16 reports)</b>		<b>22,692</b>	<b>4,459</b>	<b>27,150</b>	<b>0</b>	<b>32</b>	<b>27,182</b>	<b>0</b>	<b>1,000,960</b>	<b>66,836</b>	<b>1,067,796</b>	<b>68</b>	<b>1,230,764</b>
<b>ROANOKE (CITY)</b>		<b>AKZO NOBEL COATINGS INC</b>						<b>2837 ROANOKE AVE SW</b>				<b>NAICS Code</b>	<b>32551</b>
1,2,4-TRIMETHYLBENZENE	N	159	0	159	0	0	159	0	0	0	0	0	5,853
ETHYLBENZENE	N	2,181	46	2,227	0	0	2,227	0	0	0	0	0	3,512
METHANOL	N	2,455	393	2,848	0	0	2,848	0	0	0	0	0	13,015
METHYL ISOBUTYL KETONE	N	489	0	489	0	0	489	0	0	0	0	0	5,853
N-BUTYL ALCOHOL	N	2,022	0	2,022	0	0	2,022	0	0	0	0	0	15,220
TOLUENE	N	4,340	219	4,559	0	0	4,559	0	0	0	0	0	24,586

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Chemical Name	form A*												
XYLENE (MIXED ISOMERS)	N	10,456	63	10,519	0	0	10,519	0	0	0	0	0	36,294
Total for AKZO NOBEL COATINGS INC		22,102	721	22,823	0	0	22,823	0	0	0	0	0	104,333
<b>ROANOKE (CITY)</b>		<b>ARDAGH METAL PACKAGING USA INC</b>						<b>5022 HOLLINS RD</b>				<b>NAICS Code</b>	<b>33243</b>
CERTAIN GLYCOL ETHERS	N	0	2,800	2,800	0	0	2,800	0	0	140,000	140,000	0	3,600
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	49,508
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	4,302
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	108,000
N-BUTYL ALCOHOL	N	0	11,000	11,000	0	0	11,000	0	0	530,000	530,000	0	21,300
Total for ARDAGH METAL PACKAGING USA INC		0	13,800	13,800	0	0	13,800	0	0	670,000	670,000	0	186,711
<b>ROANOKE (CITY)</b>		<b>CHEMSOLV INC</b>						<b>1140 INDUSTRY AVE SE</b>				<b>NAICS Code</b>	<b>42469</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0
BUTYL ACRYLATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
CYCLOHEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
DICHLOROMETHANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
DIETHANOLAMINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
FORMALDEHYDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHANOL	N	386	525	911	0	0	911	0	0	0	0	0	0
METHYL ISOBUTYL KETONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-BUTYL ALCOHOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRIC ACID	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
N-METHYL-2-PYRROLIDONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	N	183	353	536	0	0	536	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CHEMSOLV INC		569	878	1,447	0	0	1,447	0	0	0	0	0	0
<b>ROANOKE (CITY)</b>								<b>518 POCAHONTAS AVE</b>				<b>NAICS Code</b>	<b>31621</b>
TOLUENE	N	0	11,079	11,079	0	0	11,079	0	0	0	0	0	550
Total for FOOT LEVELERS INC.		0	11,079	11,079	0	0	11,079	0	0	0	0	0	550
<b>ROANOKE (CITY)</b>								<b>102 WESTSIDE BLVD</b>				<b>NAICS Code</b>	<b>33111</b>
CHROMIUM COMPOUNDS(EXCEPT	N	10	29	39	0	0	39	0	0	0	0	0	44,294
COPPER COMPOUNDS	N	2	28	30	0	51	81	0	0	0	0	0	30,976
MANGANESE COMPOUNDS	N	100	891	991	0	0	991	0	0	0	0	0	360,245
NICKEL COMPOUNDS	N	1	4	5	0	0	5	0	0	0	0	0	3,524
ZINC COMPOUNDS	N	26	1,559	1,585	0	1,207	2,792	0	0	0	0	0	2,770,505
Total for STEEL DYNAMICS INC ROANOKE BAR DI		139	2,511	2,650	0	1,258	3,908	0	0	0	0	0	3,209,544
Total for Above County : (34 reports)		22,810	28,989	51,799	0	1,258	53,057	0	0	670,000	670,000	0	3,501,138
<b>ROCKBRIDGE</b>								<b>1221 MAGNOLIA AVE</b>				<b>NAICS Code</b>	<b>33341</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	10,239
COPPER	N	9	35	44	0	0	44	0	0	0	0	0	2,084
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	1,502
Total for MODINE MANUFACTURING CO		9	35	44	0	0	44	0	0	0	0	0	13,825
<b>ROCKBRIDGE</b>								<b>225 S MAGNOLIA AVE</b>				<b>NAICS Code</b>	<b>33341</b>
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	84,945

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Chemical Name	form A*												
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	12,096
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	38,666
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	80,766
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	35,738
Total for MUNTERS		0	0	0	0	0	0	0	0	0	0	0	252,211
<b>ROCKBRIDGE</b>													
STELLA JONES CORP-GOSHEN FACILITY								9223 MAURY RIVER RD				NAICS Code 32111	
CREOSOTE	N	3,813	3,738	7,551	0	0	7,551	0	0	0	0	0	17,697
Total for STELLA JONES CORP-GOSHEN FACILIT		3,813	3,738	7,551	0	0	7,551	0	0	0	0	0	17,697
Total for Above County : (9 reports)		3,822	3,773	7,595	0	0	7,595	0	0	0	0	0	283,733
<b>ROCKINGHAM</b>													
BRIDGEWATER PROCESSING PLANT FACILITY #08								100 QUALITY ST.				NAICS Code 31161	
AMMONIA	N	18,700	0	18,700	0	0	18,700	0	0	0	0	2,423	2,423
Total for BRIDGEWATER PROCESSING PLANT FA		18,700	0	18,700	0	0	18,700	0	0	0	0	2,423	2,423
<b>ROCKINGHAM</b>													
CARGILL MEAT SOLUTIONS INC								135 HUFFMAN DR				NAICS Code 31161	
NITRIC ACID	N	0	0	0	0	0	0	0	0	0	0	19,296	19,296
PERACETIC ACID	N	0	0	0	0	0	0	0	0	0	0	73,066	73,066
Total for CARGILL MEAT SOLUTIONS INC		0	0	0	0	0	0	0	0	0	0	92,362	92,362
<b>ROCKINGHAM</b>													
CARGILL TURKEY PRODUCTION LLC								1 KRATZER RD				NAICS Code 31111	
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CARGILL TURKEY PRODUCTION LLC		0	0	0	0	0	0	0	0	0	0	0	0
<b>ROCKINGHAM</b>													
GEORGE'S FOODS, LLC. PROCESSING PLANT								501 N LIBERTY ST				NAICS Code 31161	

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
PERACETIC ACID	N	0	0	0	0	0	0	0	0	52,030	52,030	0	0
Total for GEORGE'S FOODS, LLC. PROCESSING P		0	0	0	0	0	0	0	0	52,030	52,030	0	0
<b>ROCKINGHAM</b>													
LSC COMMUNICATIONS / HARRISONBURG N								2347 KRATZER RD				NAICS Code	32311
CERTAIN GLYCOL ETHERS	N	11,459	3,937	15,396	0	0	15,396	0	0	0	0	993	914
Total for LSC COMMUNICATIONS / HARRISONBU		11,459	3,937	15,396	0	0	15,396	0	0	0	0	993	914
<b>ROCKINGHAM</b>													
MERCK SHARP & DOHME CORP.								2778 SE SIDE HWY				NAICS Code	32541
ACETONITRILE	N	5,270	860	6,130	0	0	6,130	0	0	7,690	7,690	0	399,420
ETHYLENE GLYCOL	N	240	0	240	0	0	240	0	0	8,020	8,020	0	20
METHANOL	N	7,610	2,790	10,400	0	1	10,401	0	105,210	176,500	281,710	0	434,460
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	23,270	23,270	0	0
Total for MERCK SHARP & DOHME CORP.		13,120	3,650	16,770	0	1	16,771	0	105,210	215,480	320,690	0	833,900
<b>ROCKINGHAM</b>													
MILLERCOORS-SHENANDOAH								5135 S EASTSIDE HWY				NAICS Code	31212
AMMONIA	N	50	152	202	3,435	0	3,637	0	0	42,844	42,844	0	0
FORMIC ACID	N	0	0	0	0	0	0	0	0	18,940	18,940	0	0
Total for MILLERCOORS-SHENANDOAH		50	152	202	3,435	0	3,637	0	0	61,784	61,784	0	0
<b>ROCKINGHAM</b>													
PILGRIM'S PRIDE CORP BROADWAY FACILITY								330 CO-OP DR				NAICS Code	31161
AMMONIA	N	2,700	0	2,700	0	0	2,700	0	0	0	0	37,654	37,654
PERACETIC ACID	N	0	0	0	0	0	0	0	0	14,107	14,107	7,048	7,048
Total for PILGRIM'S PRIDE CORP BROADWAY FA		2,700	0	2,700	0	0	2,700	0	0	14,107	14,107	44,702	44,702
<b>ROCKINGHAM</b>													
VPGC LLC BROADWAY FEEDMIL								410 S MAIN ST				NAICS Code	31111
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for VPGC LLC BROADWAY FEEDMIL		0	0	0	0	0	0	0	0	0	0	0	0
<b>ROCKINGHAM</b>								<b>6349 RAWLEY PIKE HWY 33 WE</b>				<b>NAICS Code</b>	<b>31161</b>
NITRATE COMPOUNDS	N	0	0	0	0	67,412	67,412	0	0	406,971	406,971	0	0
Total for VPGC LLC HINTON FACILITY		0	0	0	0	67,412	67,412	0	0	406,971	406,971	0	0
<b>ROCKINGHAM</b>								<b>6364 S VALLEY PIKE</b>				<b>NAICS Code</b>	<b>31151</b>
AMMONIA	N	0	0	0	0	0	0	0	0	0	0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	311,460	280,314
NITRIC ACID	N	0	0	0	0	0	0	0	0	311,460	311,460	0	0
Total for WWF OPERATING CO		0	0	0	0	0	0	0	0	311,460	311,460	311,460	280,314
<b>Total for Above County : (23 reports)</b>		<b>46,029</b>	<b>7,739</b>	<b>53,768</b>	<b>3,435</b>	<b>67,413</b>	<b>124,616</b>	<b>0</b>	<b>105,210</b>	<b>1,061,832</b>	<b>1,167,042</b>	<b>451,940</b>	<b>1,254,615</b>
<b>RUSSELL</b>								<b>58 SAMUEL WAY</b>				<b>NAICS Code</b>	<b>33242</b>
MANGANESE	N	27	0	27	0	13	40	0	0	0	0	0	1,147
Total for SAMUEL PRESSURE VESSEL GROUP - L		27	0	27	0	13	40	0	0	0	0	0	1,147
<b>Total for Above County : (1 record)</b>		<b>27</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>13</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,147</b>
<b>SALEM (CITY)</b>								<b>1501 ROANOKE BLVD</b>				<b>NAICS Code</b>	<b>33531</b>
COPPER	N	0	0	0	0	2	2	0	0	0	0	3	55,000
Total for GE DRIVES & CONTROLS		0	0	0	0	2	2	0	0	0	0	3	55,000
<b>SALEM (CITY)</b>								<b>528 CHAPMAN ST</b>				<b>NAICS Code</b>	<b>32541</b>
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	7	6
Total for NOVOZYMES BIOLOGICALS INC		0	0	0	0	0	0	0	0	0	0	7	6

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Chemical Name	form A*												
SALEM (CITY)	QUALICHEM INC							2003 SALEM INDUSTRIAL DR				NAICS Code	32599
SODIUM NITRITE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUALICHEM INC		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 reports)		0	0	0	0	2	2	0	0	0	0	10	55,006
SCOTT	TEMPUR PRODUCTION USA INC							203 TEMPURPEDIC DR				NAICS Code	33791
TOLUENE DIISOCYANATE (MIXED	N	5	5	10	0	0	10	0	0	0	0	0	1,049
Total for TEMPUR PRODUCTION USA INC		5	5	10	0	0	10	0	0	0	0	0	1,049
Total for Above County : (1 record)		5	5	10	0	0	10	0	0	0	0	0	1,049
SHENANDOAH	GEORGE'S CHICKEN LLC							19992 SENEDO RD				NAICS Code	31161
NITRATE COMPOUNDS	N	0	0	0	0	31,067	31,067	0	0	5,949,002	5,949,002	0	1,836
PERACETIC ACID	N	0	0	0	0	0	0	0	0	77,964	77,964	0	0
Total for GEORGE'S CHICKEN LLC		0	0	0	0	31,067	31,067	0	0	6,026,966	6,026,966	0	1,836
SHENANDOAH	GEORGES FAMILY FARMS, LLC MT JACKSON FEED MILL							560 CAVERNS RD				NAICS Code	31111
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEORGES FAMILY FARMS, LLC MT JACK		0	0	0	0	0	0	0	0	0	0	0	0
SHENANDOAH	HOWELL METAL CO							574 DEPOT RD				NAICS Code	33142
COPPER	N	0	26	26	0	0	26	0	0	0	0	0	203,672
Total for HOWELL METAL CO		0	26	26	0	0	26	0	0	0	0	0	203,672
SHENANDOAH	IAC-STRASBURG,LLC							806 E QUEEN ST				NAICS Code	33636
ETHYLBENZENE	N	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
Total for IAC-STRASBURG,LLC		0	0	0	0	0	0	0	0	0	0	0	0
<b>SHENANDOAH</b>	<b>LSC COMMUNICATIONS STRASBURG DIV</b>							<b>ONE SHENANDOAH VALLEY DR</b>				<b>NAICS Code</b>	<b>32311</b>
CERTAIN GLYCOL ETHERS	N	4,025	46	4,071	0	0	4,071	0	0	8,976	8,976	88	81
Total for LSC COMMUNICATIONS STRASBURG DI		<b>4,025</b>	<b>46</b>	<b>4,071</b>	<b>0</b>	<b>0</b>	<b>4,071</b>	<b>0</b>	<b>0</b>	<b>8,976</b>	<b>8,976</b>	<b>88</b>	<b>81</b>
<b>SHENANDOAH</b>	<b>MASCO CABINETRY</b>							<b>1325 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>33711</b>
ETHYLBENZENE	N	2	15,087	15,089	0	0	15,089	0	0	0	0	0	432
METHANOL	N	0	38,335	38,335	0	0	38,335	0	0	0	0	0	1,510
XYLENE (MIXED ISOMERS)	N	7	64,467	64,474	0	0	64,474	0	0	0	0	0	1,824
Total for MASCO CABINETRY		<b>9</b>	<b>117,889</b>	<b>117,898</b>	<b>0</b>	<b>0</b>	<b>117,898</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,766</b>
<b>SHENANDOAH</b>	<b>NEW MARKET POULTRY LLC</b>							<b>145 OLD EAST CROSS ROAD</b>				<b>NAICS Code</b>	<b>31161</b>
NITRATE COMPOUNDS	N	0	0	0	0	117,000	117,000	0	0	279,100	279,100	0	500
Total for NEW MARKET POULTRY LLC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>117,000</b>	<b>117,000</b>	<b>0</b>	<b>0</b>	<b>279,100</b>	<b>279,100</b>	<b>0</b>	<b>500</b>
Total for Above County : (11 reports)		<b>4,034</b>	<b>117,961</b>	<b>121,995</b>	<b>0</b>	<b>148,067</b>	<b>270,062</b>	<b>0</b>	<b>0</b>	<b>6,315,042</b>	<b>6,315,042</b>	<b>88</b>	<b>209,855</b>
<b>SMYTH</b>	<b>GENERAL DYNAMICS-OTS, INC.</b>							<b>150 JOHNSTON RD</b>				<b>NAICS Code</b>	<b>33641</b>
METHYL ISOBUTYL KETONE	N	0	17,400	17,400	1,900	0	19,300	0	0	0	0	0	1,900
Total for GENERAL DYNAMICS-OTS, INC.		<b>0</b>	<b>17,400</b>	<b>17,400</b>	<b>1,900</b>	<b>0</b>	<b>19,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,900</b>
<b>SMYTH</b>	<b>GENERAL SHALE BRICK INC PLANT 28</b>							<b>7164 LEE HWY</b>				<b>NAICS Code</b>	<b>32712</b>
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GENERAL SHALE BRICK INC PLANT 28		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>SMYTH</b>	<b>TITAN WHEEL CORP OF VIRGINIA</b>							<b>227 ALLISON GAP RD</b>				<b>NAICS Code</b>	<b>33311</b>
ALUMINUM OXIDE (FIBROUS FOR	N	123	0	123	0	0	123	0	0	0	0	0	14,022
MANGANESE COMPOUNDS	N	335	0	335	0	0	335	0	0	0	0	0	9,865

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Chemical Name	form A*												
Total for TITAN WHEEL CORP OF VIRGINIA		458	0	458	0	0	458	0	0	0	0	0	23,887
<b>SMYTH UTILITY TRAILER MANUFACTURING CO</b>								<b>124 MOUNTAIN EMPIRE RD</b>				<b>NAICS Code 33621</b>	
CHROMIUM	N	0	5	5	0	0	5	0	0	0	0	0	125,205
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	18	18	0	0	18	0	0	0	0	0	76,660
NICKEL	N	0	2	2	0	0	2	0	0	0	0	0	40,120
Total for UTILITY TRAILER MANUFACTURING CO		0	25	25	0	0	25	0	0	0	0	0	241,985
<b>SMYTH UTILITY TRAILER MFG. CO.</b>								<b>124 MOUNTAIN EMPIRE ROAD</b>				<b>NAICS Code 33621</b>	
CHROMIUM	N	0	5	5	0	0	5	0	0	0	0	0	125,205
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	18	18	0	0	18	0	0	0	0	0	76,660
NICKEL	N	0	2	2	0	0	2	0	0	0	0	0	40,120
Total for Utility Trailer Mfg. Co.		0	25	25	0	0	25	0	0	0	0	0	241,985
<b>Total for Above County : (12 reports)</b>		<b>458</b>	<b>17,450</b>	<b>17,908</b>	<b>1,900</b>	<b>0</b>	<b>19,808</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>509,757</b>
<b>SOUTHAMPTON ARKEMA INC FRANKLIN PLANT</b>								<b>27047 SHADY BROOK TRAIL</b>				<b>NAICS Code 32519</b>	
TERT-BUTYL ALCOHOL	N	250	250	500	0	0	500	0	0	0	0	0	80,833
Total for ARKEMA INC FRANKLIN PLANT		250	250	500	0	0	500	0	0	0	0	0	80,833
<b>SOUTHAMPTON ATLANTIC POLE &amp; PILING - NEWSOMS</b>								<b>21366 GENERAL THOMAS HWY</b>				<b>NAICS Code 32111</b>	
ARSENIC COMPOUNDS	N	0	0	0	0	8	8	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	5	5	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	0	0	0	6	6	0	0	0	0	0	0
Total for ATLANTIC POLE & PILING - NEWSOMS		0	0	0	0	19	19	0	0	0	0	0	0

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Chemical Name	form A*												
<b>SOUTHAMPTON</b>	<b>SOLENIS LLC</b>							<b>27123 SHADY BROOK TRAIL</b>				<b>NAICS Code</b>	<b>32519</b>
1,2-DICHLOROPROPANE	N	3,307	504	3,811	0	46	3,857	0	0	0	0	0	186
HYDROCHLORIC ACID (1995 AND	N	16,787	2,568	19,355	0	0	19,355	0	0	0	0	0	0
TRIETHYLAMINE	N	4,278	627	4,905	0	5	4,910	0	0	0	0	0	157,026
Total for SOLENIS LLC		<b>24,372</b>	<b>3,699</b>	<b>28,071</b>	<b>0</b>	<b>51</b>	<b>28,122</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>157,212</b>
Total for Above County : (7 reports)		<b>24,622</b>	<b>3,949</b>	<b>28,571</b>	<b>0</b>	<b>70</b>	<b>28,641</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>238,045</b>
<b>SPOTSYLVANIA</b>	<b>CMC REBAR</b>							<b>9434 CROSSROADS PKWY</b>				<b>NAICS Code</b>	<b>33231</b>
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CMC REBAR		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>SPOTSYLVANIA</b>	<b>RUFFIN CREEK PROPERTIES LLC</b>							<b>10229 TIDEWATER TRAIL</b>				<b>NAICS Code</b>	<b>32111</b>
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for RUFFIN CREEK PROPERTIES LLC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Total for Above County : (2 reports)		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>STAFFORD</b>	<b>COLONIAL CIRCUITS INC.</b>							<b>1026 WARRENTON RD</b>				<b>NAICS Code</b>	<b>33441</b>
COPPER	N	0	0	0	0	0	0	0	0	0	0	20	1,714
Total for COLONIAL CIRCUITS INC.		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>1,714</b>
<b>STAFFORD</b>	<b>GCP APPLIED TECHNOLOGIES, INC</b>							<b>1101 INTERNATIONAL PKWY</b>				<b>NAICS Code</b>	<b>42469</b>
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for GCP APPLIED TECHNOLOGIES, INC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>STAFFORD</b>	<b>MAPEI CORP</b>							<b>300 NELMS CIR</b>				<b>NAICS Code</b>	<b>32552</b>
LITHIUM CARBONATE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
Total for MAPEI CORP		0	0	0	0	0	0	0	0	0	0	0	0
<b>STAFFORD</b>	<b>U.S. DOJ FBI TRAINING ACADEMY</b>							<b>MCB-4 BUILDING 15-FMU</b>				<b>NAICS Code</b>	<b>92111</b>
COPPER COMPOUNDS	N	8	1	9	0	0	9	0	0	0	0	0	18,312
Total for U.S. DOJ FBI TRAINING ACADEMY		8	1	9	0	0	9	0	0	0	0	0	18,312
<b>Total for Above County : (4 reports)</b>		<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>20,026</b>
<b>SUFFOLK (CITY)</b>	<b>BASF CORP</b>							<b>2301 WILROY RD</b>				<b>NAICS Code</b>	<b>32519</b>
ACRYLAMIDE	N	35	65	100	0	0	100	0	0	41,141	41,141	24,325	23,573
ACRYLIC ACID	N	37	40	77	0	0	77	0	0	19,980	19,980	200	612
ACRYLONITRILE	N	77	296	373	0	0	373	0	0	6,179	6,179	0	0
AMMONIA	N	20	1,716	1,736	0	0	1,736	0	0	858	858	2,027	1,990
ETHYL ACRYLATE	N	27	58	85	0	0	85	0	0	115	115	73	260
METHANOL	N	606	4,952	5,558	0	0	5,558	0	4,210,000	34,720	4,244,720	6,755	30,195
Total for BASF CORP		802	7,127	7,929	0	0	7,929	0	4,210,000	102,993	4,312,993	33,380	56,630
<b>SUFFOLK (CITY)</b>	<b>CAMERON CHEMICAL INC.</b>							<b>830 OLD DILL RD.</b>				<b>NAICS Code</b>	<b>32531</b>
COPPER COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
ZINC COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
Total for CAMERON CHEMICAL INC.		750	750	1,500	0	15	1,515	0	0	0	0	0	0
<b>SUFFOLK (CITY)</b>	<b>TITAN VIRGINIA READY-MIX LLC</b>							<b>1408 HOLLAND ROAD</b>				<b>NAICS Code</b>	<b>32732</b>
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (10 reports)</b>		<b>1,552</b>	<b>7,877</b>	<b>9,429</b>	<b>0</b>	<b>15</b>	<b>9,444</b>	<b>0</b>	<b>4,210,000</b>	<b>102,993</b>	<b>4,312,993</b>	<b>33,380</b>	<b>56,630</b>

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Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
SUSSEX MURPHY-BROWN LLC WAVERLY FEED MILL								27404 CABIN POINT RD				NAICS Code	31111
COPPER COMPOUNDS	N	0	3	3	0	0	3	0	0	0	0	0	5
ZINC (FUME OR DUST)	N	0	4	4	0	0	4	0	0	0	0	0	6
Total for MURPHY-BROWN LLC WAVERLY FEED		0	7	7	0	0	7	0	0	0	0	0	10
Total for Above County : (2 reports)		0	7	7	0	0	7	0	0	0	0	0	10
VIRGINIA BEACH (CITY) PAPCO INC								4920 SOUTHERN BLVD				NAICS Code	42471
1,2,4-TRIMETHYLBENZENE	N	52	0	52	0	0	52	0	0	0	0	0	0
BENZENE	N	45	0	45	0	0	45	0	0	0	0	0	0
ETHYLBENZENE	N	26	0	26	0	0	26	0	0	0	0	0	0
N-HEXANE	N	37	0	37	0	0	37	0	0	0	0	0	0
TOLUENE	N	219	0	219	0	0	219	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	130	0	130	0	0	130	0	0	0	0	0	0
Total for PAPCO INC		509	0	509	0	0	509	0	0	0	0	0	0
VIRGINIA BEACH (CITY) STIHL INC								536 VIKING DR				NAICS Code	33311
TOLUENE	N	112	10,311	10,423	0	0	10,423	0	0	0	0	0	0
Total for STIHL INC		112	10,311	10,423	0	0	10,423	0	0	0	0	0	0
VIRGINIA BEACH (CITY) US NAVY NAVAL AIR STATION OCEANA BASE								1750 TOMCAT BLVD				NAICS Code	92811
NAPHTHALENE	N	103	286	389	0	0	389	0	0	3,420	3,420	0	137
Total for US NAVY NAVAL AIR STATION OCEANA		103	286	389	0	0	389	0	0	3,420	3,420	0	137
Total for Above County : (8 reports)		724	10,597	11,321	0	0	11,321	0	0	3,420	3,420	0	137
WARREN AXALTA COATING SYSTEMS LLC-FRONT ROYAL PLANT								7961 WINCHESTER RD				NAICS Code	32551

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Chemical Name	form A*												
1,2,4-TRIMETHYLBENZENE	N	0	217	217	0	0	217	0	0	130	130	0	8,472
1,2-BUTYLENE OXIDE	N	0	0	0	0	0	0	0	0	0	0	0	0
BUTYL ACRYLATE	N	0	202	202	0	0	202	0	0	0	0	0	3
CERTAIN GLYCOL ETHERS	N	153	0	153	0	0	153	0	0	6	6	0	1,331
CHROMIUM COMPOUNDS (EXCEPT	N	0	1	1	0	0	1	0	0	0	0	0	0
CUMENE	N	0	12	12	0	0	12	0	0	7	7	0	24
CYCLOHEXANOL	N	0	16	16	0	0	16	0	0	0	0	0	0
DIISOCYANATES	N	0	475	475	0	0	475	0	0	0	0	0	197
ETHYL ACRYLATE	N	0	232	232	0	0	232	0	0	0	0	0	0
ETHYLBENZENE	N	55	2,661	2,716	0	0	2,716	0	1,103,056	854	1,103,910	0	31,398
METHANOL	N	0	3,915	3,915	0	0	3,915	0	0	6,853	6,853	0	0
METHYL ACRYLATE	N	0	166	166	0	0	166	0	0	0	0	0	1
METHYL ISOBUTYL KETONE	N	90	360	450	0	0	450	0	0	2,074	2,074	0	2
METHYL METHACRYLATE	N	0	3,477	3,477	0	0	3,477	0	0	0	0	0	6
N-BUTYL ALCOHOL	N	0	172	172	0	0	172	0	0	193	193	0	0
PHTHALIC ANHYDRIDE	N	0	55	55	0	0	55	0	0	0	0	0	390
STYRENE	N	0	586	586	0	0	586	0	0	0	0	0	6
TOLUENE	N	281	7,958	8,239	0	0	8,239	0	5,515,282	0	5,515,282	0	160,212
VANADIUM COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	5,867
XYLENE (MIXED ISOMERS)	N	221	6,176	6,397	0	0	6,397	0	4,412,225	3,395	4,415,620	0	143,390
ZINC COMPOUNDS	N	0	18	18	0	0	18	0	0	0	0	0	1,887
Total for AXALTA COATING SYSTEMS LLC-FRONT		800	26,701	27,501	0	0	27,501	0	11,030,563	13,512	11,044,075	0	353,186
WARREN		QUARLES PETROLEUM INC. FRONT ROYAL BULK PLANT						195 COMMERCE AVE				NAICS Code 42471	

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Chemical Name	form A*												
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for QUARLES PETROLEUM INC. FRONT RO		0	0	0	0	0	0	0	0	0	0	0	0
<b>WARREN</b>													
RPS COMPOSITES VIRGINIA, INC.								211 E 4TH ST				NAICS Code	32619
STYRENE	N	6,054	187	6,241	0	0	6,241	0	0	0	0	0	0
Total for RPS COMPOSITES VIRGINIA, INC.		6,054	187	6,241	0	0	6,241	0	0	0	0	0	0
<b>WARREN</b>													
TORAY PLASTICS (AMERICA) INC								500 TORAY DR				NAICS Code	32619
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	106,536	0	106,536	0	5,463
NITRIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	0
SODIUM NITRITE	N	0	0	0	0	0	0	0	192,828	0	192,828	0	8,594
Total for TORAY PLASTICS (AMERICA) INC		0	0	0	0	0	0	0	299,364	0	299,364	0	14,057
Total for Above County : (29 reports)		6,854	26,888	33,742	0	0	33,742	0	11,329,927	13,512	11,343,439	0	367,243
<b>WASHINGTON</b>													
AGC FLAT GLASS NA ABINGDON PLANT								18370 OAK PARK DR				NAICS Code	32721
SILVER	N	5	5	10	0	0	10	0	0	0	0	0	17,807
ZINC COMPOUNDS	N	5	5	10	0	0	10	0	0	0	0	0	9,132
Total for AGC FLAT GLASS NA ABINGDON PLANT		10	10	20	0	0	20	0	0	0	0	0	26,939
<b>WASHINGTON</b>													
APPALACHIAN PLASTICS INC.								34001 GLOVE DR				NAICS Code	32619
METHYL METHACRYLATE	N	2,127	6,383	8,510	0	0	8,510	0	0	0	0	0	0
STYRENE	N	10,422	31,268	41,690	0	0	41,690	0	0	0	0	0	0
Total for APPALACHIAN PLASTICS INC.		12,549	37,651	50,200	0	0	50,200	0	0	0	0	0	0

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Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)		POTW (pounds)	Off-Site Transfers ** (pounds)
WASHINGTON	AZZ GALVANIZING-BRISTOL							14781 INDUSTRIAL PARK RD				NAICS Code	33281
ZINC COMPOUNDS	N	1,168	0	1,168	0	86	1,254	0	65,405	0	65,405	0	156,917
Total for AZZ GALVANIZING-BRISTOL		1,168	0	1,168	0	86	1,254	0	65,405	0	65,405	0	156,917
WASHINGTON	HAPCO							26252 HILLMAN HIGHWAY				NAICS Code	33231
ALUMINUM (FUME OR DUST)	N	5,230	10,459	15,689	0	0	15,689	0	0	0	0	0	593,722
ZINC (FUME OR DUST)	N	1,351	2,702	4,053	0	0	4,053	0	0	0	0	0	57,705
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for HAPCO		6,581	13,161	19,742	0	0	19,742	0	0	0	0	0	651,427
WASHINGTON	HIRSCHFELD INDUSTRIES BRIDGE, LLC							15083 INDUSTRIAL PARK RD				NAICS Code	33231
MANGANESE	N	0	2	2	0	0	2	0	0	0	0	0	31,302
Total for HIRSCHFELD INDUSTRIES BRIDGE, LLC		0	2	2	0	0	2	0	0	0	0	0	31,302
WASHINGTON	MXI ENVIRONMENTAL SERVICES, LLC							26319 OLD TRAIL RD (ST RTE 679)				NAICS Code	56211
METHANOL	N	250	0	250	0	0	250	0	0	0	0	0	0
Total for MXI ENVIRONMENTAL SERVICES, LLC		250	0	250	0	0	250	0	0	0	0	0	0
WASHINGTON	SANDVIK MINING & CONSTRUCTION CO							15020 IND US TRIAL PARK RD				NAICS Code	33299
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	40,474
Total for SANDVIK MINING & CONSTRUCTION CO		0	0	0	0	0	0	0	0	0	0	0	40,474
WASHINGTON	STRONGWELL CORP HIGHLANDS DIV							26770 NEWBANKS RD				NAICS Code	32619
ANTIMONY COMPOUNDS	N	0	25	25	0	0	25	0	0	0	0	0	0
STYRENE	N	6,250	0	6,250	0	0	6,250	0	0	0	0	0	170
Total for STRONGWELL CORP HIGHLANDS DIV		6,250	25	6,275	0	0	6,275	0	0	0	0	0	170
WASHINGTON	STRONGWELL CORPORATION-BRISTOL							400 COMMONWEALTH AVE.				NAICS Code	32619

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
ANTIMONY	N	0	181	181	0	0	181	0	0	0	0	0	0
STYRENE	N	34,966	0	34,966	0	0	34,966	0	0	0	0	0	4,035
Total for Strongwell Corporation-Bristol		<b>34,966</b>	<b>181</b>	<b>35,147</b>	<b>0</b>	<b>0</b>	<b>35,147</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,035</b>
<b>WASHINGTON UTILITY TRAILER MANUFACTURING CO</b>								<b>13160 MONROE RD</b>				<b>NAICS Code 33621</b>	
CHROMIUM	N	0	3	3	0	0	3	0	0	0	0	0	37,697
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	13	13	0	0	13	0	0	0	0	0	26,194
NICKEL	N	0	1	1	0	0	1	0	0	0	0	0	10,700
Total for UTILITY TRAILER MANUFACTURING CO		<b>0</b>	<b>17</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>74,591</b>
<b>WASHINGTON ZENITH FUEL SYSTEMS LLC</b>								<b>14570 INDUSTRIAL PARK RD</b>				<b>NAICS Code 33631</b>	
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	37
Total for ZENITH FUEL SYSTEMS LLC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>
<b>Total for Above County : (20 reports)</b>		<b>61,774</b>	<b>51,047</b>	<b>112,821</b>	<b>0</b>	<b>86</b>	<b>112,907</b>	<b>0</b>	<b>65,405</b>	<b>0</b>	<b>65,405</b>	<b>0</b>	<b>985,892</b>
<b>WESTMORELAND CARRY-ON TRAILER CORP</b>								<b>159 INDUSTRIAL PARK RD</b>				<b>NAICS Code 33621</b>	
1,2,4-TRIMETHYLBENZENE	N	0	10,475	10,475	0	0	10,475	0	0	9,299	9,299	0	318
CERTAIN GLYCOL ETHERS	N	0	7,157	7,157	0	0	7,157	0	0	10,741	10,741	0	288
CHROMIUM	N	4	0	4	0	0	4	0	0	0	0	0	262
MANGANESE	N	180	0	180	0	0	180	0	0	0	0	0	1,305
Total for CARRY-ON TRAILER CORP		<b>184</b>	<b>17,632</b>	<b>17,816</b>	<b>0</b>	<b>0</b>	<b>17,816</b>	<b>0</b>	<b>0</b>	<b>20,040</b>	<b>20,040</b>	<b>0</b>	<b>2,173</b>
<b>WESTMORELAND POTOMAC SUPPLY LLC</b>								<b>1398 KINSALE RD</b>				<b>NAICS Code 32111</b>	
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for POTOMAC SUPPLY LLC		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (6 reports)		184	17,632	17,816	0	0	17,816	0	0	20,040	20,040	0	2,173
<b>WINCHESTER (CITY)</b>	<b>O'SULLIVAN FILMS INC</b>							<b>1944 VALLEY AVE</b>				<b>NAICS Code</b>	<b>32611</b>
ANTIMONY COMPOUNDS	N	13	73	86	0	0	86	0	0	0	0	4	63
BARIUM COMPOUNDS	N	6	34	40	0	0	40	0	0	0	0	11	12
DI(2-ETHYLHEXYL) PHTHALATE	N	35	200	236	0	0	236	0	0	0	0	0	0
ETHYLBENZENE	N	0	149	149	0	0	149	0	0	13,691	13,691	0	1,788
METHYL ISOBUTYL KETONE	N	0	1,948	1,948	0	0	1,948	0	0	274,073	274,073	0	35,663
N,N-DIMETHYLFORMAMIDE	N	0	2,322	2,322	0	0	2,322	0	0	180,860	180,860	0	23,668
TOLUENE	N	0	4,808	4,808	0	0	4,808	0	0	404,563	404,563	0	52,893
XYLENE (MIXED ISOMERS)	N	0	748	748	0	0	748	0	0	67,820	67,820	0	8,859
ZINC COMPOUNDS	N	11	65	76	0	0	76	0	0	0	0	64	80
Total for O'SULLIVAN FILMS INC		66	10,347	10,413	0	0	10,413	0	0	941,007	941,007	78	123,025
Total for Above County : (9 reports)		66	10,347	10,413	0	0	10,413	0	0	941,007	941,007	78	123,025
<b>WISE</b>	<b>VIRGINIA CITY HYBRID ENERGY CENTER</b>							<b>3425 RUSSELL CREEK RD</b>				<b>NAICS Code</b>	<b>22111</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	146,000	146,000	0	0	146,000	0	0	0	0	0	0
ARSENIC COMPOUNDS	N	0	58	58	35,600	0	35,658	0	0	0	0	0	0
BARIUM COMPOUNDS	N	0	432	432	336,000	0	336,432	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	78	78	61,600	0	61,678	0	0	0	0	0	0
COBALT COMPOUNDS	N	0	29	29	21,400	0	21,429	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	125	125	68,800	0	68,925	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
HYDROCHLORIC ACID (1995 AND	N	0	49,900	49,900	0	0	49,900	0	0	2,400,000	2,400,000	0	0
HYDROGEN FLUORIDE	N	0	590	590	0	0	590	0	0	300,000	300,000	0	0
MANGANESE COMPOUNDS	N	0	4,130	4,130	107,000	0	111,130	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL COMPOUNDS	N	0	117	117	61,000	0	61,117	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER	N	0	8,680	8,680	0	0	8,680	0	0	637,000	637,000	0	0
VANADIUM COMPOUNDS	N	0	3	3	130,000	0	130,003	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	1,070	1,070	80,900	0	81,970	0	0	0	0	0	0
Total for VIRGINIA CITY HYBRID ENERGY CENTE		0	211,212	211,212	202,300	0	1,113,512	0	0	3,337,000	3,337,000	0	0
Total for Above County : (16 reports)		0	211,212	211,212	202,300	0	1,113,512	0	0	3,337,000	3,337,000	0	0
WYTHE HUTCHINSON SEALING SYSTEMS INC								1150 S THIRD ST				NAICS Code 32629	
ZINC COMPOUNDS	N	39	1,138	1,177	0	0	1,177	0	0	0	0	1	20,000
Total for HUTCHINSON SEALING SYSTEMS INC		39	1,138	1,177	0	0	1,177	0	0	0	0	1	20,000
Total for Above County : (1 record)		39	1,138	1,177	0	0	1,177	0	0	0	0	1	20,000
YORK AFETA CAMP PEARY								1100 EXECUTIVE DRIVE				NAICS Code 92811	
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for AFETA CAMP PEARY		0	0	0	0	0	0	0	0	0	0	0	0
YORK EATON CORPORATION - WILLIAMSBURG MANUFACTURING								149 WARWICK COURT				NAICS Code 33599	
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	19,000
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	11,900
Total for EATON CORPORATION - WILLIAMSBUR		0	0	0	0	0	0	0	0	0	0	0	30,900

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# 2016 Toxics Release Inventory

Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>YORK</b>		<b>US NAVY DEFENSE FUEL SUPPORT POINT YORKTOWN FUELS</b>						<b>YORKTOWN FUEL TERMINAL</b>				<b>NAICS Code</b>	<b>92811</b>
NAPHTHALENE	N	11	150	161	0	0	161	0	0	10,176	10,176	0	0
Total for US NAVY DEFENSE FUEL SUPPORT POI		<b>11</b>	<b>150</b>	<b>161</b>	<b>0</b>	<b>0</b>	<b>161</b>	<b>0</b>	<b>0</b>	<b>10,176</b>	<b>10,176</b>	<b>0</b>	<b>0</b>
<b>YORK</b>		<b>YORKTOWN POWER STATION</b>						<b>1600 WATERVIEW RD</b>				<b>NAICS Code</b>	<b>22111</b>
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BARIUM COMPOUNDS	N	0	26	26	3,830	20,100	23,956	0	0	0	0	5	80
HYDROCHLORIC ACID (1995 AND	N	0	186,000	186,000	0	0	186,000	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER	N	0	34,200	34,200	0	0	34,200	0	0	107,000	107,000	0	0
Total for YORKTOWN POWER STATION		<b>0</b>	<b>220,226</b>	<b>220,226</b>	<b>3,830</b>	<b>20,100</b>	<b>244,156</b>	<b>0</b>	<b>0</b>	<b>107,000</b>	<b>107,000</b>	<b>5</b>	<b>80</b>
Total for Above County : (10 reports)		<b>11</b>	<b>220,376</b>	<b>220,387</b>	<b>3,830</b>	<b>20,100</b>	<b>244,317</b>	<b>0</b>	<b>0</b>	<b>117,176</b>	<b>117,176</b>	<b>5</b>	<b>30,980</b>

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**Appendix G - 2016 Summary of Facilities, Chemical  
Releases, Transfers, and Management (PBT)**

Alphabetical Listing by Facility  
Within Each County/Independent City

2016 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>ACCOMACK</b>	<b>PERDUE FARMS ACCOMAC PROCESSING PLANT</b>							<b>22520 LANKFORD HWY</b>				<b>NAICS Code</b>	<b>31161</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PERDUE FARMS ACCOMAC PROCESS		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ACCOMACK</b>	<b>TYSON FARMS INC-TEMPERANCEVILLE</b>							<b>11224 LANKFORD HWY</b>				<b>NAICS Code</b>	<b>31161</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TYSON FARMS INC-TEMPERANCEVILL		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ACCOMACK</b>	<b>U.S. NASA GSFC WALLOPS FLIGHT FACILITY</b>							<b>34200 FULTON STREET</b>				<b>NAICS Code</b>	<b>92711</b>
LEAD COMPOUNDS	N	0	88	88	0	0	88	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	1
Total for U.S. NASA GSFC WALLOPS FLIGHT F		<b>0</b>	<b>88</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
Total for Above County : (6 records)		<b>0</b>	<b>88</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>ALBEMARLE</b>	<b>GENERAL ELECTRIC</b>							<b>2500 AUSTIN DRIVE</b>				<b>NAICS Code</b>	<b>33451</b>
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for GENERAL ELECTRIC		<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ALBEMARLE</b>	<b>NORTHROP GRUMMAN SYSTEMS CORPO RATION</b>							<b>1070 SEMINOLE TRAIL</b>				<b>NAICS Code</b>	<b>33451</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	2	157
Total for Northrop Grumman Systems Corpo ration		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>157</b>
<b>ALBEMARLE</b>	<b>NORTHROP GRUMMAN SYSTEMS CORPORATION</b>							<b>1070 SEMINOLE TRAIL</b>				<b>NAICS Code</b>	<b>33451</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	2	157

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for NORTHROP GRUMMAN SYSTEMS CO		0	0	0	0	0	0	0	0	0	0	2	157
<b>ALBEMARLE</b>								<b>1230 RIVER ROAD</b>				<b>NAICS Code</b>	<b>32412</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for S.L. WILLIAMSON CO. INC. SHOP		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (4 records)		0	2	2	0	0	2	0	0	0	0	3	314
<b>AMHERST</b>								<b>861 FIBRE PLANT RD</b>				<b>NAICS Code</b>	<b>32211</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	1	0	0	0	0	0	0
LEAD	N	0	5	5	0	0	5	0	0	0	0	0	0
Total for GREIF PACKAGING LLC		0	6	6	0	0	6	0	0	0	0	0	0
Total for Above County : (2 records)		0	6	6	0	0	6	0	0	0	0	0	0
<b>ARLINGTON</b>								<b>N ROTARY RD</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	311	311	0	0	311	0	0	0	0	0	0
Total for PENT RESERVATION		0	311	311	0	0	311	0	0	0	0	0	0
<b>ARLINGTON</b>								<b>204 LEE AVE</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for US ARMY JOINT BASE MYER-HENDER		0	0	0	0	0	0	0	0	0	0	0	0
<b>ARLINGTON</b>								<b>2651 SHIRLINGTON RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE SHIRLINGTON P		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (5 records)		0	311	312	0	0	312	0	0	0	0	0	0
<b>AUGUSTA</b>								<b>56 DUNSMORE RD</b>				<b>NAICS Code</b>	<b>33152</b>
LEAD	N	0	3	3	0	0	3	0	0	0	0	0	85
Total for BALL ADVANCED ALUMINUM TECHNO		0	3	3	0	0	3	0	0	0	0	0	85

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>AUGUSTA</b>		<b>CERRO FABRICATED PRODUCTS INC</b>						<b>300 TRIANGLE DR</b>				<b>NAICS Code</b>	<b>33272</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	3	1
Total for CERRO FABRICATED PRODUCTS INC		0	0	0	0	0	0	0	0	0	0	3	1
<b>AUGUSTA</b>		<b>FLINT GROUP NA CORP</b>						<b>106 TRIANGLE DR</b>				<b>NAICS Code</b>	<b>32591</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for FLINT GROUP NA CORP		0	0	0	0	0	0	0	0	0	0	0	0
<b>AUGUSTA</b>		<b>NIBCO OF VIRGINIA INC.</b>						<b>131 JOHNSON DRIVE</b>				<b>NAICS Code</b>	<b>33211</b>
LEAD	N	0	0	0	0	1	1	0	0	0	0	1	559
Total for NIBCO OF VIRGINIA INC.		0	0	0	0	1	1	0	0	0	0	1	559
<b>AUGUSTA</b>		<b>TAYLOR &amp; BOODY INC.</b>						<b>8 HEWITT RD</b>				<b>NAICS Code</b>	<b>33999</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TAYLOR & BOODY INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (5 records)</b>		<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>645</b>
<b>BEDFORD</b>		<b>GEORGIA-PACIFIC BIG ISLAND MILL</b>						<b>9363 LEE-JACKSON HWY</b>				<b>NAICS Code</b>	<b>32212</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	70	70	0	129	919	0	0	0	0	0	0
Total for GEORGIA-PACIFIC BIG ISLAND MILL		0	70	70	0	129	919	0	0	0	0	0	0
<b>BEDFORD</b>		<b>WHEELABRATOR ABRASIVES INC</b>						<b>1 ABRASIVE AVE</b>				<b>NAICS Code</b>	<b>32791</b>
LEAD	N	0	0	0	0	0	339	0	0	0	0	0	35,434
Total for WHEELABRATOR ABRASIVES INC		0	0	0	0	0	339	0	0	0	0	0	35,434
<b>Total for Above County : (3 records)</b>		<b>0</b>	<b>70</b>	<b>70</b>	<b>0</b>	<b>129</b>	<b>1,258</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>35,434</b>
<b>BOTETOURT</b>		<b>METALSA ROANOKE INC.</b>						<b>184 VISTA DR</b>				<b>NAICS Code</b>	<b>33639</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	10
Total for METALSA ROANOKE INC.		0	0	0	0	0	0	0	0	0	0	0	10

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# 2016 Toxics Release Inventory

Appendix G

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
<b>BOTETOURT</b>	<b>ROANOKE CEMENT CO LLC</b>							<b>6071 CATAWBA RD</b>				<b>NAICS Code</b>	<b>32731</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	3	42	45	0	0	997	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	40	40	0	0	40	0	0	0	0	0	0
Total for ROANOKE CEMENT CO LLC		<b>3</b>	<b>82</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>1,038</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (4 records)</b>		<b>3</b>	<b>82</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>1,038</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>
<b>BRISTOL (CITY)</b>	<b>ASSOCIATED ASPHALT BRISTOL, LLC</b>							<b>10 SPURGEON LANE</b>				<b>NAICS Code</b>	<b>42471</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	13	13	0	0	13	0	0	0	0	0	0
Total for ASSOCIATED ASPHALT BRISTOL, LLC		<b>0</b>	<b>13</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (2 records)</b>		<b>0</b>	<b>13</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BUCHANAN</b>	<b>JEWELL COKE CO LP</b>							<b>1034 DISMAL RIVER RD</b>				<b>NAICS Code</b>	<b>33111</b>
LEAD COMPOUNDS	N	0	5,552	5,552	0	0	5,552	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	335	335	0	0	335	0	0	0	0	0	0
Total for JEWELL COKE CO LP		<b>0</b>	<b>5,887</b>	<b>5,887</b>	<b>0</b>	<b>0</b>	<b>5,887</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (2 records)</b>		<b>0</b>	<b>5,887</b>	<b>5,887</b>	<b>0</b>	<b>0</b>	<b>5,887</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BUCKINGHAM</b>	<b>KYANITE MINING CORP MULLITE PLANT</b>							<b>5836 BUFFALO ROAD</b>				<b>NAICS Code</b>	<b>21232</b>
POLYCYCLIC AROMATIC COMPOU	N	23	0	23	0	0	23	0	0	0	0	0	0
Total for KYANITE MINING CORP MULLITE PLA		<b>23</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total for Above County : (1 record)</b>		<b>23</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BUENA VISTA (CITY)</b>	<b>EVERBRITE LLC</b>							<b>627 E 30TH ST</b>				<b>NAICS Code</b>	<b>33995</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	205
Total for EVERBRITE LLC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>205</b>
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>205</b>
<b>CAMPBELL</b>	<b>BANKER STEEL COMPANY, LLC</b>							<b>351 RANGOON ROAD</b>				<b>NAICS Code</b>	<b>33231</b>

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	2,835
Total for BANKER STEEL COMPANY, LLC		0	0	0	0	0	0	0	0	0	0	0	2,835
<b>CAMPBELL</b>	<b>BWXT NUCLEAR OPERATIONS GROUP, INC.</b>							<b>1570 MOUNT ATHOS RD</b>				<b>NAICS Code</b>	<b>33241</b>
LEAD COMPOUNDS	N	0	0	0	4,041	2	4,044	0	0	0	0	0	3
Total for BWXT NUCLEAR OPERATIONS GROU		0	0	0	4,041	2	4,044	0	0	0	0	0	3
<b>CAMPBELL</b>	<b>GEORGIA-PACIFIC WOOD PRODUCTS LLC - BROOKNEAL OSB</b>							<b>11795 BROOKNEAL HIGHWAY</b>				<b>NAICS Code</b>	<b>32121</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	5	5	0	0	5	0	0	0	0	0	50
Total for GEORGIA-PACIFIC WOOD PRODUCTS		0	5	5	0	0	5	0	0	0	0	0	50
<b>CAMPBELL</b>	<b>PARKER HANNIFIN INTEGRATED SEA LS DIVISION</b>							<b>3700 MAYFLOWER DR</b>				<b>NAICS Code</b>	<b>32629</b>
LEAD COMPOUNDS	N	0	228	228	0	0	228	0	0	0	0	0	0
Total for Parker Hannifin Integrated Sea ls Division		0	228	228	0	0	228	0	0	0	0	0	0
<b>CAMPBELL</b>	<b>SCHRADER-BRIDGEPORT INTERNATIONAL</b>							<b>205 FRAZIER RD</b>				<b>NAICS Code</b>	<b>33639</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	2	63,803
Total for SCHRADER-BRIDGEPORT INTERNATI		0	0	0	0	0	0	0	0	0	0	2	63,803
<b>Total for Above County : (6 records)</b>		<b>0</b>	<b>233</b>	<b>233</b>	<b>4,041</b>	<b>2</b>	<b>4,276</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>66,691</b>
<b>CAROLINE</b>	<b>ANCHOR AN OLDCASTLE CO</b>							<b>16326 IND US TRIAL DR</b>				<b>NAICS Code</b>	<b>32799</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for ANCHOR AN OLDCASTLE CO		0	0	0	0	0	0	0	0	0	0	0	0
<b>CAROLINE</b>	<b>LADYSMITH COMBUSTION TURBINE STATION</b>							<b>8063 CEDON RD</b>				<b>NAICS Code</b>	<b>22111</b>
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for LADYSMITH COMBUSTION TURBINE S		0	0	0	0	0	0	0	0	0	0	0	0
<b>CAROLINE</b>	<b>US ARMY FORT AP HILL RANGES (PART)</b>							<b>19952 NORTH RANGE RD</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for US ARMY FORT AP HILL RANGES (PA		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	0	0	0	0	0	0	0	0	0	0	0
<b>CARROLL</b>								<b>300 E GRAYSON ST</b>				<b>NAICS Code</b>	<b>33712</b>
LEAD	N	0	2	2	0	0	2	0	0	0	0	0	0
Total for VAUGHAN-BASSETT FURNITURE CO.		0	2	2	0	0	2	0	0	0	0	0	0
Total for Above County : (1 record)		0	2	2	0	0	2	0	0	0	0	0	0
<b>CHARLOTTE</b>								<b>628 JEB STUART HIGHWAY</b>				<b>NAICS Code</b>	<b>32111</b>
LEAD COMPOUNDS	N	0	10	10	338	0	348	0	0	0	0	0	0
Total for MORGAN LUMBER COMPANY, INC.		0	10	10	338	0	348	0	0	0	0	0	0
Total for Above County : (1 record)		0	10	10	338	0	348	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>								<b>3801 COOK BLVD</b>				<b>NAICS Code</b>	<b>32733</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC CH		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESAPEAKE (CITY)</b>								<b>4545 BAINBRIDGE BLVD</b>				<b>NAICS Code</b>	<b>56211</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	80
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	181
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	582
Total for SAFETY-KLEEN SYSTEMS CHESAPEA		0	0	0	0	0	0	0	0	0	0	0	842
<b>CHESAPEAKE (CITY)</b>								<b>1320 NW BLVD SUITE 100</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	17,768	0	0	0	0	0	0
Total for US/NAVY NAVAL SUPPORT ACTIVITY		0	0	0	0	0	17,768	0	0	0	0	0	0
Total for Above County : (5 records)		0	0	0	0	0	17,768	0	0	0	0	0	842
<b>CHESTERFIELD</b>								<b>1701 REYMET RD</b>				<b>NAICS Code</b>	<b>33131</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	8
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	78

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Chemical Name	form A*												
Total for ALERIS ROLLED PRODUCTS INC		0	1	1	0	0	1	0	0	0	0	0	86
<b>CHESTERFIELD</b>	<b>CHESTERFIELD POWER STATION</b>							<b>500 COXENDALE RD</b>				<b>NAICS Code</b>	<b>22111</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	1	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	212	212	0	43	38,755	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	37	37	0	0	507	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	3	3	0	0	3	0	0	0	0	0	0
Total for CHESTERFIELD POWER STATION		0	253	253	0	43	39,266	0	0	0	0	0	0
<b>CHESTERFIELD</b>	<b>DUPONT SPRUANCE PLANT</b>							<b>U.S. HWY 1 AT COGBILL RD</b>				<b>NAICS Code</b>	<b>32522</b>
POLYCYCLIC AROMATIC COMPOU	N	22	0	22	0	0	222	0	0	0	0	0	69
Total for DUPONT SPRUANCE PLANT		22	0	22	0	0	222	0	0	0	0	0	69
<b>CHESTERFIELD</b>	<b>KAISER ALUMINUM FABRICATED PRODUCTS LLC</b>							<b>1901 REYMET RD</b>				<b>NAICS Code</b>	<b>33131</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	5	1,672
Total for KAISER ALUMINUM FABRICATED PRO		0	0	0	0	0	0	0	0	0	0	5	1,672
<b>CHESTERFIELD</b>	<b>MECHANICSVILLE CONCRETE LLC-CHESTERFIELD PLANT</b>							<b>3501 WARBRO RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC-CH		0	0	0	0	0	0	0	0	0	0	0	0
<b>CHESTERFIELD</b>	<b>SAFETY-KLEEN SYSTEMS CHESTER (CVA)</b>							<b>1200 W 100 RD</b>				<b>NAICS Code</b>	<b>56211</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	185
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	144
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	1,345
Total for SAFETY-KLEEN SYSTEMS CHESTER (		0	0	0	0	0	0	0	0	0	0	0	1,674
<b>CHESTERFIELD</b>	<b>TCS MATERIALS CHESTER PLANT</b>							<b>12020 OLD STAGE ROAD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TCS MATERIALS CHESTER PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (13 records)</b>		<b>22</b>	<b>254</b>	<b>276</b>	<b>0</b>	<b>43</b>	<b>39,489</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>3,500</b>

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
COVINGTON (CITY) INGEVITY VIRGINIA CORPORATION								958 EAST RIVERSIDE STREET				NAICS Code	32599
BENZO(G,H,I)PERYLENE	N	0	4	4	0	0	5	0	0	0	0	0	0
DIOXIN AND DIOXIN-LIKE COMPO	N	0	2	2	0	0	3	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	170	170	0	410	8,480	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	23	23	0	0	87	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	360	360	0	0	380	0	0	0	0	0	0
Total for Ingevity Virginia Corporation		0	559	559	0	410	8,955	0	0	0	0	0	0
Total for Above County : (5 records)		0	559	559	0	410	8,955	0	0	0	0	0	0
CULPEPER BINGHAM & TAYLOR								601 NALLE PL				NAICS Code	33151
LEAD	N	0	3	3	0	0	3	0	0	0	0	0	910
Total for BINGHAM & TAYLOR		0	3	3	0	0	3	0	0	0	0	0	910
CULPEPER TE CONNECTIVITY								751 OLD BRANDY RD				NAICS Code	33149
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	816
Total for TE CONNECTIVITY		0	1	1	0	0	1	0	0	0	0	0	816
Total for Above County : (2 records)		0	4	4	0	0	4	0	0	0	0	0	1,726
DANVILLE (CITY) EIT SOUTH								350 SLAYTON AVENUE				NAICS Code	33411
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	76
Total for EIT SOUTH		0	0	0	0	0	0	0	0	0	0	0	76
DANVILLE (CITY) THE GOODYEAR TIRE & RUBBER CO.								1901 GOODYEAR BLVD				NAICS Code	32621
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	16	275
POLYCYCLIC AROMATIC COMPOU	N	0	4	4	0	0	4	0	0	0	0	0	772
Total for THE GOODYEAR TIRE & RUBBER CO.		0	7	7	0	0	7	0	0	0	0	16	1,047
Total for Above County : (3 records)		0	7	7	0	0	7	0	0	0	0	16	1,123
DINWIDDIE CHAPARRAL (VA) INC								25801 HOFHEIMER WAY				NAICS Code	33111
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	1	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix G

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD COMPOUNDS	N	58	7	65	0	0	65	0	0	0	0	0	254,854
MERCURY COMPOUNDS	N	0	123	123	0	0	123	0	0	0	0	0	56
Total for CHAPARRAL (VA) INC		58	131	189	0	0	189	0	0	0	0	0	254,910
<b>DINWIDDIE</b>								<b>26317 SIMPSON RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC-PE		0	0	0	0	0	0	0	0	0	0	0	0
<b>DINWIDDIE</b>								<b>25805 HOFHEIMER WAY</b>				<b>NAICS Code</b>	<b>56292</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TMS INTERNATIONAL, LLC		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (5 records)		58	131	189	0	0	189	0	0	0	0	0	254,910
<b>FAIRFAX</b>								<b>6315 BREN MAR DR</b>				<b>NAICS Code</b>	<b>92212</b>
LEAD	N	0	0	0	0	0	650	0	0	0	0	0	650
Total for BREN MAR		0	0	0	0	0	650	0	0	0	0	0	650
<b>FAIRFAX</b>								<b>12601 FAIR LAKES CIR</b>				<b>NAICS Code</b>	<b>32791</b>
LEAD	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for CGI FEDERAL INC		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b>								<b>7371 LOCKPORT PL</b>				<b>NAICS Code</b>	<b>42461</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for FORUM ENERGY TECHNOLOGIES-SY		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b>								<b>8413 TERMINAL RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for NEWINGTON CONCRETE PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b>								<b>15718 LEE HWY</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for TITAN VIRGINIA READY-MIX LLC-CENT		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b>		<b>TITAN VIRGINIA READY-MIX LLC-SPRINGFIELD PLANT</b>						<b>6600 ELECTRONIC DR</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-SPRI		0	0	0	0	0	0	0	0	0	0	0	0
<b>FAIRFAX</b>		<b>VIRGINIA CONCRETE EDSALL ROAD PLANT</b>						<b>5412 INDUSTRIAL DR</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE EDSALL ROAD P		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (7 records)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>650</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>650</b>
<b>FAIRFAX (CITY)</b>		<b>MOTIVA FAIRFAX TERMINAL</b>						<b>3800 PICKETT RD</b>				<b>NAICS Code</b>	<b>42471</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MOTIVA FAIRFAX TERMINAL		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (3 records)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FALLS CHURCH (CITY)</b>		<b>VIRGINIA CONCRETE FALLS CHURCH PLANT</b>						<b>7103 GORDON RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE FALLS CHURCH		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FAUQUIER</b>		<b>CHEMETRICS INC</b>						<b>4295 CATLETT RD</b>				<b>NAICS Code</b>	<b>32599</b>
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	13
Total for CHEMETRICS INC		0	0	0	0	0	0	0	0	0	0	0	13
<b>FAUQUIER</b>		<b>US DOD WARRENTON TRAINING CENTER STATION C RANGE</b>						<b>7248 SUMERDUCK RD</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	3,252
Total for US DOD WARRENTON TRAINING CEN		0	0	0	0	0	0	0	0	0	0	0	3,252

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>FAUQUIER</b>		<b>US DOD, WARRENTON TRAINING CENTER STATION B</b>						<b>7471 BEAR WALLOW ROAD</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	4,441
Total for US DOD, WARRENTON TRAINING CEN		0	0	0	0	0	0	0	0	0	0	0	4,441
<b>Total for Above County : (3 records)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,707</b>
<b>FREDERICK</b>		<b>O-N MINERALS (CHEMSTONE) WINCHESTER LIME PLANT</b>						<b>508 QUARRY LN</b>				<b>NAICS Code</b>	<b>32741</b>
LEAD COMPOUNDS	N	0	0	0	0	0	2,037	0	0	0	0	0	0
Total for O-N MINERALS (CHEMSTONE) WINCH		0	0	0	0	0	2,037	0	0	0	0	0	0
<b>FREDERICK</b>		<b>TITAN VIRGINIA READY-MIX LLC-CLEAR BROOK PLANT</b>						<b>1383 BRUCETOWN RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-CLEA		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (2 records)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,037</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GALAX (CITY)</b>		<b>CONSOLIDATED GLASS &amp; MIRROR</b>						<b>110 JACK GUYNN DR</b>				<b>NAICS Code</b>	<b>32721</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	1	145
Total for CONSOLIDATED GLASS & MIRROR		0	0	0	0	0	0	0	0	0	0	1	145
<b>GALAX (CITY)</b>		<b>WEBB ENTERPRISES LLC AMERICAN MIRROR</b>						<b>602 E STUART DR</b>				<b>NAICS Code</b>	<b>32721</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for WEBB ENTERPRISES LLC AMERICAN		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (2 records)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>145</b>
<b>GILES</b>		<b>CELANESE ACETATE LLC - CELCO P LANT</b>						<b>3520 VIRGINIA AVE</b>				<b>NAICS Code</b>	<b>32522</b>
MERCURY	N	0	2	2	0	0	2	0	0	0	0	0	21
POLYCHLORINATED BIPHENYLS	N	0	0	0	0	0	0	0	0	0	0	0	118
Total for CELANESE ACETATE LLC - CELCO P L		0	2	2	0	0	2	0	0	0	0	0	139
<b>GILES</b>		<b>LHOIST NA OF VIRGINIA INC KIMBALLTON AREA 1</b>						<b>2093 BIG STONY CREEK RD</b>				<b>NAICS Code</b>	<b>32741</b>
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	0

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Chemical Name	form A*												
MERCURY COMPOUNDS	N	0	5	5	0	0	5	0	0	0	0	0	0
Total for LHOIST NA OF VIRGINIA INC KIMBALL		0	5	5	0	0	5	0	0	0	0	0	0
<b>Total for Above County : (4 records)</b>		0	8	8	0	0	8	0	0	0	0	0	139
<b>GREENSVILLE</b>		<b>GEORGIA PACIFIC WOOD PRODUCTS LLC EMPORIA PLYWOOD</b>						<b>634 DAVIS ST</b>				<b>NAICS Code</b>	<b>32121</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	294	294	0	0	294	0	0	0	0	0	23
Total for GEORGIA PACIFIC WOOD PRODUCT		0	294	294	0	0	294	0	0	0	0	0	23
<b>GREENSVILLE</b>		<b>STEELFAB OF VIRGINIA INC</b>						<b>1510 REESE ST</b>				<b>NAICS Code</b>	<b>33231</b>
LEAD	N	8	0	9	0	0	9	0	0	0	0	0	1,893
Total for STEELFAB OF VIRGINIA INC		8	0	9	0	0	9	0	0	0	0	0	1,893
<b>Total for Above County : (3 records)</b>		8	294	303	0	0	303	0	0	0	0	0	1,916
<b>HALIFAX</b>		<b>ABB INC</b>						<b>2135 PHILPOTT RD</b>				<b>NAICS Code</b>	<b>33531</b>
LEAD	N	1	0	1	0	0	1	0	0	0	0	0	1,754
Total for ABB INC		1	0	1	0	0	1	0	0	0	0	0	1,754
<b>HALIFAX</b>		<b>CLOVER POWER STATION</b>						<b>4091 CLOVER RD</b>				<b>NAICS Code</b>	<b>22111</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	18	18	0	11	25,729	0	0	0	0	0	8,550
MERCURY COMPOUNDS	N	0	1	1	0	1	317	0	0	0	0	0	105
Total for CLOVER POWER STATION		0	20	20	0	12	26,046	0	0	0	0	0	8,655
<b>HALIFAX</b>		<b>HUBER ENGINEERED WOODS LLC</b>						<b>1000 CHANEY LN</b>				<b>NAICS Code</b>	<b>32121</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	281	281	0	0	347	0	0	0	0	0	66
Total for HUBER ENGINEERED WOODS LLC		0	281	281	0	0	347	0	0	0	0	0	66
<b>Total for Above County : (6 records)</b>		1	301	302	0	12	26,395	0	0	0	0	0	10,475
<b>HAMPTON (CITY)</b>		<b>BRANSCOME-HAMPTON</b>						<b>1922 W PEMBROKE AVE</b>				<b>NAICS Code</b>	<b>32412</b>

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for BRANSCOME-HAMPTON		1	1	2	0	0	2	0	0	0	0	0	0
Total for Above County : (3 records)		1	1	2	0	0	2	0	0	0	0	0	0
<b>HANOVER</b>		<b>CONCRETE PIPE &amp; PRECAST LLC-ASHLAND PRECAST PLANT</b>						<b>11352 VIRGINIA PRECAST RD</b>				<b>NAICS Code</b>	<b>32733</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-AS		0	0	0	0	0	0	0	0	0	0	0	0
<b>HANOVER</b>		<b>CONCRETE PIPE &amp; PRECAST LLC-HANOVER PIPE PLANT</b>						<b>10350 DESIGN RD</b>				<b>NAICS Code</b>	<b>32733</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-HA		0	0	0	0	0	0	0	0	0	0	0	0
<b>HANOVER</b>		<b>DOSWELL LP</b>						<b>10098 OLD RIDGE RD</b>				<b>NAICS Code</b>	<b>22111</b>
POLYCYCLIC AROMATIC COMPOU	N	0	141	141	0	0	141	0	0	0	0	0	0
Total for DOSWELL LP		0	141	141	0	0	141	0	0	0	0	0	0
<b>HANOVER</b>		<b>SOUTH ATLANTIC GALVANIZING LLC</b>						<b>11022 LEWISTOWN RD</b>				<b>NAICS Code</b>	<b>33281</b>
LEAD	N	22	0	22	0	1	22	0	0	0	0	0	3,331
Total for SOUTH ATLANTIC GALVANIZING LLC		22	0	22	0	1	22	0	0	0	0	0	3,331
Total for Above County : (4 records)		22	141	163	0	1	164	0	0	0	0	0	3,331
<b>HARRISONBURG (CITY)</b>		<b>TENNECO WALKER MANUFACTURING CO</b>						<b>3160 ABBOTT LN</b>				<b>NAICS Code</b>	<b>33639</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	285
Total for TENNECO WALKER MANUFACTURING		0	0	0	0	0	0	0	0	0	0	0	285
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	285
<b>HENRICO</b>		<b>ARGOS READY MIX BRYAN PARK CONCRETE PLANT</b>						<b>4607 RACRETE RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for ARGOS READY MIX BRYAN PARK CO		0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>HENRICO</b>	<b>IR ENGRAVING LLC</b>							<b>5901 LEWIS RD</b>				<b>NAICS Code</b>	<b>32311</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	771
Total for IR ENGRAVING LLC		0	0	0	0	0	0	0	0	0	0	0	771
<b>HENRICO</b>	<b>MECHANICSVILLE CONCRETE LLC-AIRPORT PLANT (OAKLEYS LA</b>							<b>4481 OAKLEYS LN</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for MECHANICSVILLE CONCRETE LLC-AI		0	0	0	0	0	0	0	0	0	0	0	0
<b>HENRICO</b>	<b>READY MIXED CONCRETE CO</b>							<b>4608 RACRETE RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for READY MIXED CONCRETE CO		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (4 records)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>771</b>
<b>HENRY</b>	<b>PINE PRODUCTS INC</b>							<b>315 CARVER RD</b>				<b>NAICS Code</b>	<b>32111</b>
LEAD	N	0	919	919	0	0	919	0	0	0	0	0	0
Total for PINE PRODUCTS INC		0	919	919	0	0	919	0	0	0	0	0	0
<b>HENRY</b>	<b>VIRGINIA MIRROR CO INC</b>							<b>300 S MOSS ST</b>				<b>NAICS Code</b>	<b>32721</b>
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	79
Total for VIRGINIA MIRROR CO INC		0	1	1	0	0	1	0	0	0	0	0	79
<b>Total for Above County : (2 records)</b>		<b>0</b>	<b>920</b>	<b>920</b>	<b>0</b>	<b>0</b>	<b>920</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>
<b>HOPEWELL (CITY)</b>	<b>ADVANSIX INC HOPEWELL PLANT</b>							<b>905 E RANDOLPH RD</b>				<b>NAICS Code</b>	<b>32519</b>
POLYCYCLIC AROMATIC COMPOU	N	91	0	91	0	0	91	0	0	0	0	0	0
Total for ADVANSIX INC HOPEWELL PLANT		91	0	91	0	0	91	0	0	0	0	0	0
<b>HOPEWELL (CITY)</b>	<b>ASSOCIATED ASPHALT HOPEWELL LLC</b>							<b>410 WATER ST</b>				<b>NAICS Code</b>	<b>42471</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	10	10	0	0	10	0	0	0	0	0	0
Total for ASSOCIATED ASPHALT HOPEWELL L		0	10	10	0	0	10	0	0	0	0	0	0

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Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
HOPEWELL (CITY) JAMES RIVER COGENERATION CO INC								912 E RANDOLPH RD				NAICS Code	22111
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	96	96	0	0	96	0	0	0	0	0	0
Total for JAMES RIVER COGENERATION CO IN		0	96	96	0	0	96	0	0	0	0	0	0
HOPEWELL (CITY) WESTROCK CP, LLC								910 INDUSTRIAL ST				NAICS Code	32213
BENZO(G,H,I)PERYLENE	N	0	2	2	0	0	2	0	0	0	0	0	0
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	1	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	30	30	0	0	30	0	0	0	0	402	695
POLYCYCLIC AROMATIC COMPOU	N	0	76	76	0	0	76	0	0	0	0	0	8
Total for WESTROCK CP, LLC		0	109	109	0	0	109	0	0	0	0	402	704
Total for Above County : (9 records)		91	215	306	0	0	306	0	0	0	0	402	704
ISLE OF WIGHT INTERNATIONAL PAPER FRANKLIN MILL								34040 UNION CAMP DR				NAICS Code	32211
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	2	3	0	0	0	0	0	6
LEAD COMPOUNDS	N	0	29	29	0	70	99	0	0	0	0	0	808
Total for INTERNATIONAL PAPER FRANKLIN MI		0	30	30	0	72	102	0	0	0	0	0	814
ISLE OF WIGHT ST TISSUE LLC								34050 UNION CAMP DR				NAICS Code	32212
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	61
Total for ST TISSUE LLC		0	1	1	0	0	1	0	0	0	0	0	61
Total for Above County : (3 records)		0	31	31	0	72	102	0	0	0	0	0	875
JAMES CITY ANHEUSER-BUSCH LLC								7801 POCAHONTAS TRAIL				NAICS Code	31212
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	66
Total for ANHEUSER-BUSCH LLC		0	0	0	0	0	0	0	0	0	0	0	66
JAMES CITY BALL METAL BEVERAGE CONTAINER CORP								8935 POCAHONTAS TRAIL JAMES RIVER				NAICS Code	33243
LEAD	N	0	0	0	0	0	0	0	0	0	0	4	4
Total for BALL METAL BEVERAGE CONTAINER		0	0	0	0	0	0	0	0	0	0	4	4

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Chemical Name	form A*												
<b>JAMES CITY</b>	<b>BRANSCOME-LEE HALL</b>							<b>9393 MERRIMAC TRAIL</b>				<b>NAICS Code</b>	<b>32412</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for BRANSCOME-LEE HALL		<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>JAMES CITY</b>	<b>GREYSTONE OF VIRGINIA INC</b>							<b>7992 RICHMOND RD</b>				<b>NAICS Code</b>	<b>33281</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	1	354
Total for GREYSTONE OF VIRGINIA INC		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>354</b>
<b>JAMES CITY</b>	<b>OWENS-BROCKWAY GLASS CONTAINER INC PLANT 26</b>							<b>150 INDUSTRIAL BLVD</b>				<b>NAICS Code</b>	<b>32721</b>
LEAD COMPOUNDS	N	0	28	28	0	0	28	0	127	0	127	0	1
Total for OWENS-BROCKWAY GLASS CONTAIN		<b>0</b>	<b>28</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>127</b>	<b>0</b>	<b>127</b>	<b>0</b>	<b>1</b>
Total for Above County : (8 records)		<b>1</b>	<b>29</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>127</b>	<b>0</b>	<b>127</b>	<b>5</b>	<b>425</b>
<b>KING GEORGE</b>	<b>BIRCHWOOD POWER FACILITY</b>							<b>10900 BIRCHWOOD DR</b>				<b>NAICS Code</b>	<b>22111</b>
LEAD COMPOUNDS	N	0	4	4	0	0	4	0	0	0	0	0	2,089
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	1
Total for BIRCHWOOD POWER FACILITY		<b>0</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,090</b>
<b>KING GEORGE</b>	<b>KING GEORGE PLANT</b>							<b>13250 JAMES MADISON PARKWAY</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	36	0	36	0	0	36	0	0	0	0	0	0
Total for KING GEORGE PLANT		<b>36</b>	<b>0</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Total for Above County : (3 records)		<b>36</b>	<b>5</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,090</b>
<b>KING WILLIAM</b>	<b>WESTROCK CP, LLC</b>							<b>1901 MAIN ST</b>				<b>NAICS Code</b>	<b>32211</b>
BENZO(G,H,I)PERYLENE	N	0	3	3	0	0	3	0	0	0	0	0	2
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	1	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	97	97	0	583	680	0	0	0	0	0	2,039

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Chemical Name	form A*												
MERCURY COMPOUNDS	N	0	8	8	0	1	8	0	0	0	0	0	5
POLYCYCLIC AROMATIC COMPOU	N	0	213	213	0	0	213	0	0	0	0	0	29
Total for WESTROCK CP, LLC		0	322	322	0	584	906	0	0	0	0	0	2,075
Total for Above County : (5 records)		0	322	322	0	584	906	0	0	0	0	0	2,075
LEE													
US PENITENTIARY LEE								LEE COUNTY IND US TRIAL PARK HICKORY				NAICS Code	92214
LEAD COMPOUNDS	N	1	0	1	0	0	1,197	0	0	0	0	0	0
Total for US PENITENTIARY LEE		1	0	1	0	0	1,197	0	0	0	0	0	0
Total for Above County : (1 record)		1	0	1	0	0	1,197	0	0	0	0	0	0
LOUDOUN								25232 WILLARD ROAD				NAICS Code	32732
LEAD COMPOUNDS	N	0	0	0	0	0	4	0	0	0	0	0	4
Total for CHANTILLY READY MIX CONCRETE		0	0	0	0	0	4	0	0	0	0	0	4
LOUDOUN								108 CARPENTER DR				NAICS Code	33441
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	76
Total for ELECTRONIC INSTRUMENTATION & T		0	0	0	0	0	0	0	0	0	0	0	76
LOUDOUN								114 POWERS CT				NAICS Code	33641
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for GEA SYSTEMS DBA LLC (DBA LLC DO		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								42105 COCHRAN MILL RD				NAICS Code	32732
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-LEES		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								22963 CONCRETE PLAZA				NAICS Code	32732
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-STER		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								19844 BLUE RIDGE MOUNTAIN RD				NAICS Code	92219
US DHS MT WEATHER EOC													

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Chemical Name	form A*												
LEAD COMPOUNDS	N	5	0	5	0	0	5	0	0	0	0	0	2,420
Total for US DHS MT WEATHER EOC		5	0	5	0	0	5	0	0	0	0	0	2,420
<b>LOUDOUN</b>		<b>VIASYSTEMS TECHNOLOGIES CORP LLC</b>						<b>1200 SEVERN WAY</b>				<b>NAICS Code</b>	<b>33441</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	79	8,420
Total for VIASYSTEMS TECHNOLOGIES CORP		0	0	0	0	0	0	0	0	0	0	79	8,420
<b>LOUDOUN</b>		<b>VIRGINIA CONCRETE CO INC-CHANTILLY</b>						<b>25086 TANNER LN</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE CO INC-CHANTI		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUDOUN</b>		<b>VIRGINIA CONCRETE DULLES PLANT</b>						<b>44866 OLD OX RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE DULLES PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUDOUN</b>		<b>VIRGINIA CONCRETE LEESBURG PLANT</b>						<b>659 BUILDERS LN</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE LEESBURG PLA		0	0	0	0	0	0	0	0	0	0	0	0
<b>LOUDOUN</b>		<b>VIRGINIA CONCRETE STERLING PLANT</b>						<b>44866 OLD OX RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE STERLING PLAN		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (12 records)</b>		<b>5</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>10,921</b>
<b>LOUISA</b>		<b>OLD DOMINION ELECTRIC CO-OP LOUISA GENERATION FACILITY</b>						<b>3352 KLOCKNER RD</b>				<b>NAICS Code</b>	<b>22111</b>
POLYCYCLIC AROMATIC COMPOU	N	0	18	18	0	0	18	0	0	0	0	0	0
Total for OLD DOMINION ELECTRIC CO-OP LOU		0	18	18	0	0	18	0	0	0	0	0	0
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>LYNCHBURG (CITY)</b>		<b>BANKER STEEL COMPANY, LLC</b>						<b>1619 WYTHE RD</b>				<b>NAICS Code</b>	<b>33231</b>

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	967
Total for BANKER STEEL COMPANY, LLC		0	0	0	0	0	0	0	0	0	0	0	967
<b>LYNCHBURG (CITY)</b>	<b>GRIFFIN PIPE PRODUCTS CO</b>							<b>10 ADAMS ST</b>				<b>NAICS Code</b>	<b>33151</b>
LEAD COMPOUNDS	N	4	1,456	1,460	0	2	1,462	0	0	0	0	49	43,480
MERCURY COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	16
Total for GRIFFIN PIPE PRODUCTS CO		4	1,457	1,461	0	2	1,463	0	0	0	0	49	43,496
<b>LYNCHBURG (CITY)</b>	<b>NORCRAFT COMPANIES</b>							<b>1 MILLRACE DR</b>				<b>NAICS Code</b>	<b>33711</b>
LEAD	N	328	0	328	0	0	328	0	0	0	0	0	0
Total for NORCRAFT COMPANIES		328	0	328	0	0	328	0	0	0	0	0	0
<b>LYNCHBURG (CITY)</b>	<b>PARKER HANNIFIN INTEGRATED SEALS DIV</b>							<b>3700 MAYFLOWER DR</b>				<b>NAICS Code</b>	<b>32629</b>
LEAD COMPOUNDS	N	0	228	228	0	0	228	0	0	0	0	0	0
Total for PARKER HANNIFIN INTEGRATED SEA		0	228	228	0	0	228	0	0	0	0	0	0
<b>LYNCHBURG (CITY)</b>	<b>ROCK-TENN CO</b>							<b>1801 CONCORD TURNPIKE</b>				<b>NAICS Code</b>	<b>32212</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for ROCK-TENN CO		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (6 records)</b>		<b>332</b>	<b>1,685</b>	<b>2,017</b>	<b>0</b>	<b>2</b>	<b>2,019</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49</b>	<b>44,463</b>
<b>MECKLENBURG</b>	<b>AMERICAN BUILDINGS COMPANY-LA CROSSE</b>							<b>501 GOLDEN EAGLE DR</b>				<b>NAICS Code</b>	<b>33231</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	320
Total for AMERICAN BUILDINGS COMPANY-LA		0	0	0	0	0	0	0	0	0	0	0	320
<b>MECKLENBURG</b>	<b>MECKLENBURG POWER STATION</b>							<b>204 COGEN DR</b>				<b>NAICS Code</b>	<b>22111</b>
LEAD COMPOUNDS	N	0	11	11	0	4	15	0	0	0	0	0	2,093
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	31
Total for MECKLENBURG POWER STATION		0	11	11	0	4	15	0	0	0	0	0	2,124
<b>MECKLENBURG</b>	<b>PALLET ONE OF VIRGINIA</b>							<b>820 BOYD ST</b>				<b>NAICS Code</b>	<b>32192</b>

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	0
Total for PALLET ONE OF VIRGINIA		0	2	2	0	0	2	0	0	0	0	0	0
<b>Total for Above County : (4 records)</b>		<b>0</b>	<b>13</b>	<b>13</b>	<b>0</b>	<b>4</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,443</b>
<b>MONTGOMERY</b>		<b>ALLIANT TECHSYSTEMS OPERATIONS LLC (NEW RIVER ENERGETI</b>						<b>RT 114 RADFORD ARMY AMMUNITION PLANT</b>				<b>NAICS Code</b>	<b>32592</b>
LEAD COMPOUNDS	N	0	5	5	0	0	5	0	0	0	0	0	2,163
Total for ALLIANT TECHSYSTEMS OPERATION		0	5	5	0	0	5	0	0	0	0	0	2,163
<b>MONTGOMERY</b>		<b>BAE SYSTEMS, ORDNANCE SYSTEMS INC</b>						<b>RADFORD ARMY AMMUNITION PLANT 4050</b>				<b>NAICS Code</b>	<b>32592</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	4,264	129	4,393	0	102	4,495	0	0	0	0	0	0
MERCURY	N	0	9	9	0	0	9	0	0	0	0	0	21
Total for BAE SYSTEMS, ORDNANCE SYSTEMS		4,264	138	4,402	0	102	4,504	0	0	0	0	0	21
<b>MONTGOMERY</b>		<b>FEDERAL-MOGUL CORP</b>						<b>300 INDUSTRIAL PARK RD SE</b>				<b>NAICS Code</b>	<b>33635</b>
LEAD	N	0	6	6	0	0	6	0	0	0	0	1	273
Total for FEDERAL-MOGUL CORP		0	6	6	0	0	6	0	0	0	0	1	273
<b>MONTGOMERY</b>		<b>MOOG INC.</b>						<b>1213 N MAIN ST</b>				<b>NAICS Code</b>	<b>33441</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	740
Total for MOOG INC.		0	0	0	0	0	0	0	0	0	0	0	740
<b>Total for Above County : (6 records)</b>		<b>4,264</b>	<b>149</b>	<b>4,413</b>	<b>0</b>	<b>102</b>	<b>4,515</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3,197</b>
<b>NEWPORT NEWS (CITY)</b>		<b>BKEP MATERIALS, LLC -- NEWPORT NEWS VA</b>						<b>801 TERMINAL AVE</b>				<b>NAICS Code</b>	<b>32412</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	1	0	1	0	5
Total for BKEP MATERIALS, LLC -- NEWPORT N		0	1	1	0	0	1	0	1	0	1	0	5
<b>NEWPORT NEWS (CITY)</b>		<b>HUNTINGTON INGALLS INCORPORATED</b>						<b>4101 WASHINGTON AVE</b>				<b>NAICS Code</b>	<b>33661</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD	N	0	0	0	0	412	412	0	0	0	0	2	4,136

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# 2016 Toxics Release Inventory

Appendix G

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
POLYCYCLIC AROMATIC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for HUNTINGTON INGALLS INCORPORATED		0	0	0	0	412	412	0	0	0	0	2	4,136
<b>NEWPORT NEWS (CITY)</b>		<b>JOINT BASE LANGLEY EUSTIS-EUSTIS (JBLE-EUSTIS)</b>						<b>705 WASHINGTON BLVD</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	150	0	150	0	0	13,551	0	0	0	0	0	0
Total for JOINT BASE LANGLEY EUSTIS-EUSTIS		150	0	150	0	0	13,551	0	0	0	0	0	0
<b>NEWPORT NEWS (CITY)</b>		<b>TCS MATERIALS NEWPORT NEWS</b>						<b>700 SHIELDS RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TCS MATERIALS NEWPORT NEWS		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (7 records)</b>		<b>150</b>	<b>1</b>	<b>151</b>	<b>0</b>	<b>412</b>	<b>13,964</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>4,141</b>
<b>NORFOLK (CITY)</b>		<b>BAE SYSTEMS NORFOLK SHIP REPAIR</b>						<b>750 W BERKLEY AVE</b>				<b>NAICS Code</b>	<b>33661</b>
LEAD COMPOUNDS	N	4	0	4	0	0	4	0	0	0	0	12	84
Total for BAE SYSTEMS NORFOLK SHIP REPAIR		4	0	4	0	0	4	0	0	0	0	12	84
<b>NORFOLK (CITY)</b>		<b>BRANSCOME INC-NORFOLK WESTMINSTER</b>						<b>3425 WESTMINSTER AVE</b>				<b>NAICS Code</b>	<b>32412</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOUNDS	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for BRANSCOME INC-NORFOLK WESTMINSTER		1	0	1	0	0	1	0	0	0	0	0	0
<b>NORFOLK (CITY)</b>		<b>CAPITAL CONCRETE INC.</b>						<b>400 STAPLETON ST</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CAPITAL CONCRETE INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>NORFOLK (CITY)</b>		<b>TITAN VIRGINIA READY-MIX LLC-CAMPOSTELLA PLANT</b>						<b>2125 KIMBALL TERRACE</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-CAMPOSTELLA		0	0	0	0	0	0	0	0	0	0	0	0
<b>NORFOLK (CITY)</b>		<b>UNITED STATES GYPSUM CO</b>						<b>1424 S MAIN ST</b>				<b>NAICS Code</b>	<b>32742</b>

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Chemical Name	form A*												
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	9
MERCURY COMPOUNDS	N	0	69	69	0	0	69	0	0	0	0	0	1
Total for UNITED STATES GYPSUM CO		0	70	70	0	0	70	0	0	0	0	0	10
<b>NORFOLK (CITY)</b>								<b>2600 TARAWA CT SUITE 100</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	10	0	10	0	0	10	0	0	0	0	0	290
Total for US NAVY JOINT EXPEDITIONARY LITT		10	0	10	0	0	10	0	0	0	0	0	290
<b>NORFOLK (CITY)</b>								<b>1530 GILBERT ST</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	148	0	148	0	0	148	0	0	0	0	0	2,973
Total for US NAVY NAVAL STATION NORFOLK		148	0	148	0	0	148	0	0	0	0	0	2,973
<b>Total for Above County : (11 records)</b>		<b>162</b>	<b>70</b>	<b>232</b>	<b>0</b>	<b>0</b>	<b>232</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>3,357</b>
<b>NORTHUMBERLAND</b>								<b>617 HARRY HOGAN RD</b>				<b>NAICS Code</b>	<b>33621</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	6
Total for CARRY-ON TRAILER CORP		0	0	0	0	0	0	0	0	0	0	0	6
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>
<b>NOTTOWAY</b>								<b>500 DEARING AVENUE</b>				<b>NAICS Code</b>	<b>32111</b>
LEAD COMPOUNDS	N	0	13	13	0	0	28	0	0	0	0	0	0
Total for ARBORTECH FOREST PRODUCTS, IN		0	13	13	0	0	28	0	0	0	0	0	0
<b>NOTTOWAY</b>								<b>US PFO BUILDING 316 FORT PICKETT</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	137	0	137	0	0	137	0	0	0	0	0	0
Total for US ARMY NATIONAL GUARD FORT PI		137	0	137	0	0	137	0	0	0	0	0	0
<b>Total for Above County : (3 records)</b>		<b>137</b>	<b>13</b>	<b>150</b>	<b>0</b>	<b>0</b>	<b>165</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PATRICK</b>								<b>225 JEB STUART HWY</b>				<b>NAICS Code</b>	<b>33271</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for MICROMETRICS SYSTEM		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
<b>PETERSBURG (CITY)</b>	<b>PRE CON, INC.</b>							<b>321 BROWN ST</b>				<b>NAICS Code</b>	<b>31332</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for PRE CON, INC.		0	0	0	0	0	0	0	0	0	0	0	0
<b>PETERSBURG (CITY)</b>	<b>VALMONT-VIRGINIA GALVANIZING INC</b>							<b>3535 HALIFAX RD</b>				<b>NAICS Code</b>	<b>33281</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	21
Total for VALMONT-VIRGINIA GALVANIZING IN		0	0	0	0	0	0	0	0	0	0	0	21
Total for Above County : (2 records)		0	0	0	0	0	0	0	0	0	0	0	21
<b>PITTSYLVANIA</b>	<b>BLUE RIDGE FIBERBOARD</b>							<b>250 CELOTEX DR</b>				<b>NAICS Code</b>	<b>32121</b>
POLYCYCLIC AROMATIC COMPOU	N	14	0	14	0	0	14	0	0	0	0	0	0
Total for BLUE RIDGE FIBERBOARD		14	0	14	0	0	14	0	0	0	0	0	0
<b>PITTSYLVANIA</b>	<b>JTI LEAF SERVICES (US) LLC</b>							<b>202 STINSON DRIVE</b>				<b>NAICS Code</b>	<b>31223</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for JTI LEAF SERVICES (US) LLC		0	0	0	0	0	0	0	0	0	0	0	0
<b>PITTSYLVANIA</b>	<b>OWENS-BROCKWAY GLASS CONTAINER INC PLANT 29</b>							<b>STATE RD</b>				<b>NAICS Code</b>	<b>32721</b>
LEAD COMPOUNDS	N	0	243	243	0	0	243	0	0	0	0	0	0
Total for OWENS-BROCKWAY GLASS CONTAIN		0	243	243	0	0	243	0	0	0	0	0	0
Total for Above County : (3 records)		14	243	257	0	0	257	0	0	0	0	0	0
<b>PORTSMOUTH (CITY)</b>	<b>TITAN VIRGINIA READY-MIX LLC-PORT NORFOLK PLANT</b>							<b>101 CHAUTAUQUA AVE</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-POR		0	0	0	0	0	0	0	0	0	0	0	0
<b>PORTSMOUTH (CITY)</b>	<b>US COAST GUARD BASE PORTSMOUTH</b>							<b>4000 COAST GUARD BLVD</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	7	0	7	0	4	11	0	0	0	0	0	4,590

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for US COAST GUARD BASE PORTSMOU		7	0	7	0	4	11	0	0	0	0	0	4,590
Total for Above County : (2 records)		7	0	7	0	4	11	0	0	0	0	0	4,590
<b>PRINCE GEORGE</b>	U.S. ARMY GARRISON FORT LEE VA - RANGES							825, 19TH STREET, BLDG 6005				NAICS Code	92811
LEAD	N	0	0	0	0	0	3,087	0	0	0	0	0	0
Total for U.S. ARMY GARRISON FORT LEE VA -		0	0	0	0	0	3,087	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	3,087	0	0	0	0	0	0
<b>PRINCE WILLIAM</b>	BAE SYSTEMS INFORMATION & ELECTRONIC SYSTEMS INTEGRAT							9300 WELLINGTON RD				NAICS Code	33441
LEAD	N	0	2	2	0	0	2	0	0	0	0	0	141
Total for BAE SYSTEMS INFORMATION & ELEC		0	2	2	0	0	2	0	0	0	0	0	141
<b>PRINCE WILLIAM</b>	MANASSAS BROAD RUN READY MIX CONCRETE							9321 DEVELOPERS DRIVE				NAICS Code	32732
LEAD COMPOUNDS	N	0	0	0	0	0	11	0	0	0	11	0	11
Total for MANASSAS BROAD RUN READY MIX		0	0	0	0	0	11	0	0	0	11	0	11
<b>PRINCE WILLIAM</b>	POSSUM POINT POWER STATION							19000 POSSUM POINT RD				NAICS Code	22111
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for POSSUM POINT POWER STATION		0	1	1	0	0	1	0	0	0	0	0	0
<b>PRINCE WILLIAM</b>	SAFETY-KLEEN SYSTEMS MANASSAS (MAN)							11520 BALLS FORD RD				NAICS Code	56211
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	548
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	3,988
Total for SAFETY-KLEEN SYSTEMS MANASSAS		0	0	0	0	0	0	0	0	0	0	0	4,536
<b>PRINCE WILLIAM</b>	TITAN VIRGINIA READY-MIX LLC-DUMFRIES PLANT							3454 CANAL RD				NAICS Code	32732
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-DUM		0	0	0	0	0	0	0	0	0	0	0	0
<b>PRINCE WILLIAM</b>	US MARINE CORPS BASE QUANTICO RANGE COMPLEX							3250 CATLIN AVE				NAICS Code	92811

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	0
Total for US MARINE CORPS BASE QUANTICO		0	2	2	0	0	2	0	0	0	0	0	0
<b>PRINCE WILLIAM</b>	<b>VIRGINIA CONCRETE DUMFRIES PLANT</b>							<b>217 CANAL RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE DUMFRIES PLA		0	0	0	0	0	0	0	0	0	0	0	0
<b>PRINCE WILLIAM</b>	<b>VIRGINIA CONCRETE GAINESVILLE PLANT</b>							<b>7300 RAIL LINE CT</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE GAINESVILLE P		0	0	0	0	0	0	0	0	0	0	0	0
<b>PRINCE WILLIAM</b>	<b>VIRGINIA CONCRETE WOODBRIDGE PLANT</b>							<b>936 ANNAPOLIS WAY</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE WOODBRIDGE		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (11 records)</b>		<b>0</b>	<b>4</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>4,688</b>
<b>PULASKI</b>	<b>JAMES HARDIE BUILDING PRODUCTS PULASKI</b>							<b>1000 JAMES HARDIE WAY</b>				<b>NAICS Code</b>	<b>32739</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for JAMES HARDIE BUILDING PRODUCTS		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (1 record)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RICHMOND</b>	<b>SONOCO RICHMOND</b>							<b>1850 COMMERCE RD</b>				<b>NAICS Code</b>	<b>32213</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	30	40
Total for SONOCO RICHMOND		0	0	0	0	0	0	0	0	0	0	30	40
<b>RICHMOND</b>	<b>WOOD PRESERVERS INC</b>							<b>15939 HISTORY LAND HWY</b>				<b>NAICS Code</b>	<b>32111</b>
LEAD COMPOUNDS	N	0	4	4	0	0	4	0	0	0	0	0	0
Total for WOOD PRESERVERS INC		0	4	4	0	0	4	0	0	0	0	0	0
<b>Total for Above County : (2 records)</b>		<b>0</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>40</b>
<b>RICHMOND (CITY)</b>	<b>AERCCOM INC</b>							<b>3301 ROSEDALE AVE STE D</b>				<b>NAICS Code</b>	<b>56211</b>

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	26
Total for AERCCOM INC		0	0	0	0	0	0	0	0	0	0	0	26
<b>RICHMOND (CITY)</b>													
SPRUANCE GENCO LLC								5001 COMMERCE RD				NAICS Code	22111
DIOXIN AND DIOXIN-LIKE COMPO	N	0	1	1	0	0	1	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	47	47	0	3	50	0	0	0	0	0	122
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SPRUANCE GENCO LLC		0	48	48	0	3	51	0	0	0	0	0	122
<b>RICHMOND (CITY)</b>													
TCS MATERIALS RICHMOND PLANT								2100 DEEPWATER TERMINAL ROAD				NAICS Code	32732
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TCS MATERIALS RICHMOND PLANT		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (5 records)</b>		0	48	48	0	3	51	0	0	0	0	0	148
<b>ROANOKE</b>													
HARRIS CORP - NIGHT VISION								7635 PLANTATION RD				NAICS Code	33451
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	3	4,335
Total for HARRIS CORP - NIGHT VISION		0	0	0	0	0	0	0	0	0	0	3	4,335
<b>ROANOKE</b>													
KOPPERS INC (ROANOKE)								4020 KOPPERS RD				NAICS Code	32111
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	2,992	0	2,992	0	44
POLYCYCLIC AROMATIC COMPOU	N	2	6	8	0	0	8	0	156,753	8	156,761	0	2,327
Total for KOPPERS INC (ROANOKE)		2	6	8	0	0	8	0	159,745	8	159,753	0	2,371
<b>ROANOKE</b>													
MEDECO SECURITY LOCKS INC.								3625 ALLEGHENY DR				NAICS Code	33251
LEAD COMPOUNDS	N	0	0	0	0	1	1	0	0	0	0	0	24,775
Total for MEDECO SECURITY LOCKS INC.		0	0	0	0	1	1	0	0	0	0	0	24,775
<b>ROANOKE</b>													
NEW MILLENNIUM BUILDING SYSTEMS								100 DIUGUIDS LANE				NAICS Code	33231
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	4,746
Total for NEW MILLENNIUM BUILDING SYSTEM		0	0	0	0	0	0	0	0	0	0	0	4,746

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Appendix G

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
ROANOKE	SAFETY-KLEEN SYSTEMS VINTON (ROA)							16090 STEWARTSVILLE RD				NAICS Code	56211
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	197
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	282
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	1,429
Total for SAFETY-KLEEN SYSTEMS VINTON (R		0	0	0	0	0	0	0	0	0	0	0	1,908
ROANOKE	VALCOM INC							5614 HOLLINS RD				NAICS Code	33421
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	1,251
Total for VALCOM INC		0	0	0	0	0	0	0	0	0	0	0	1,251
ROANOKE	YOKOHAMA TIRE MANUFACTURING VIRGINIA LLC							1500 INDIANA ST				NAICS Code	32621
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	1
LEAD COMPOUNDS	N	1	0	1	0	0	1	0	0	0	0	2	3
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0	0	0	0	3
Total for YOKOHAMA TIRE MANUFACTURING V		1	1	1	0	0	1	0	0	0	0	2	7
Total for Above County : (12 records)		3	7	9	0	1	10	0	159,745	8	159,753	4	39,394
ROANOKE (CITY)	ASSOCIATED ASPHALT ROANOKE, LLC							2677 ROANOKE AVE SW				NAICS Code	42471
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	17	17	0	0	17	0	0	0	0	0	0
Total for ASSOCIATED ASPHALT ROANOKE, LL		0	17	17	0	0	17	0	0	0	0	0	0
ROANOKE (CITY)	BOXLEY CONCRETE PRODUCTS OF VA INC ROANOKEPLANT							3830 BLUE RIDGE DR				NAICS Code	32732
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	0
Total for BOXLEY CONCRETE PRODUCTS OF V		0	2	2	0	0	2	0	0	0	0	0	0
ROANOKE (CITY)	STEEL DYNAMICS INC ROANOKE BAR DIV							102 WESTSIDE BLVD				NAICS Code	33111
LEAD COMPOUNDS	N	1	98	99	0	33	132	0	0	0	0	0	161,111
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for STEEL DYNAMICS INC ROANOKE BAR		1	98	99	0	33	133	0	0	0	0	0	161,111

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (5 records)		1	117	118	0	33	151	0	0	0	0	0	161,111
<b>ROCKBRIDGE</b> CONCRETE PIPE & PRECAST LLC-HARRISONBURG PRECAST PLANT								210 STONE SPRING RD				NAICS Code	32733
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-HA		0	0	0	0	0	0	0	0	0	0	0	0
<b>ROCKBRIDGE</b> MUNTERS								225 S MAGNOLIA AVE				NAICS Code	33341
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	203
Total for MUNTERS		0	0	0	0	0	0	0	0	0	0	0	203
<b>ROCKBRIDGE</b> STELLA JONES CORP-GOSHEN FACILITY								9223 MAURY RIVER RD				NAICS Code	32111
BENZO(G,H,I)PERYLENE	N	1	0	1	0	0	1	0	0	0	0	0	33
POLYCYCLIC AROMATIC COMPOU	N	28	3	30	0	0	30	0	0	0	0	0	1,866
Total for STELLA JONES CORP-GOSHEN FACIL		28	3	31	0	0	31	0	0	0	0	0	1,899
Total for Above County : (4 records)		28	3	31	0	0	31	0	0	0	0	0	2,102
<b>ROCKINGHAM</b> SUPERIOR CONCRETE INC-HARRISONBURG								1526 COUNTY CLUB RD				NAICS Code	32732
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for SUPERIOR CONCRETE INC-HARRISO		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 records)		0	0	0	0	0	0	0	0	0	0	0	0
<b>SALEM (CITY)</b> CONCRETE PIPE & PRECAST LLC-SALEM #1 PLANT								2000 SALEM INDUSTRIAL DR				NAICS Code	32733
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for CONCRETE PIPE & PRECAST LLC-SAL		0	0	0	0	0	0	0	0	0	0	0	0
<b>SALEM (CITY)</b> GE DRIVES & CONTROLS								1501 ROANOKE BLVD				NAICS Code	33531
LEAD COMPOUNDS	N	0	3	3	0	0	3	0	0	0	0	0	4,700
Total for GE DRIVES & CONTROLS		0	3	3	0	0	3	0	0	0	0	0	4,700
Total for Above County : (2 records)		0	3	3	0	0	3	0	0	0	0	0	4,700

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
SHENANDOAH O-N MINERALS (CHEMSTONE) STRASBURG LIME PLANT								1696 ORANDA RD				NAICS Code	32741
LEAD COMPOUNDS	N	0	0	0	0	0	204	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for O-N MINERALS (CHEMSTONE) STRAS		0	1	1	0	0	205	0	0	0	0	0	0
Total for Above County : (2 records)		0	1	1	0	0	205	0	0	0	0	0	0
SMYTH GENERAL DYNAMICS-OTS, INC.								150 JOHNSTON RD				NAICS Code	33641
TETRABROMOBISPHENOL A	N	0	0	0	0	0	0	0	0	0	0	0	200
Total for GENERAL DYNAMICS-OTS, INC.		0	0	0	0	0	0	0	0	0	0	0	200
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	200
SOUTHAMPTON ATLANTIC POLE & PILING - NEWSOMS								21366 GENERAL THOMAS HWY				NAICS Code	32111
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for ATLANTIC POLE & PILING - NEWSOMS		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
SPOTSYLVANIA OLDCASTLE PRECAST INC								5115 MASSAPONAX CHURCH RD				NAICS Code	32739
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for OLDCASTLE PRECAST INC		0	0	0	0	0	0	0	0	0	0	0	0
SPOTSYLVANIA SPOTSYLVANIA PLANT								8520 INDIAN HILLS CT.				NAICS Code	32732
LEAD	N	109	0	109	0	0	109	0	0	0	0	0	0
Total for SPOTSYLVANIA PLANT		109	0	109	0	0	109	0	0	0	0	0	0
SPOTSYLVANIA VIRGINIA CONCRETE SPOTSYLVANIA PLANT								6110 SMITH STATION ROAD				NAICS Code	32732
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for VIRGINIA CONCRETE SPOTSYLVANIA		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		109	0	109	0	0	109	0	0	0	0	0	0
STAFFORD COLONIAL CIRCUITS INC.								1026 WARRENTON RD				NAICS Code	33441

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\*\* TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD	N	0	0	0	0	0	0	0	0	0	0	8	390
Total for COLONIAL CIRCUITS INC.		0	0	0	0	0	0	0	0	0	0	8	390
<b>STAFFORD</b>	<b>FALMOUTH READY MIX CONCRETE</b>							<b>301 WARRENTON ROAD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	70	0	0	0	0	0	70
Total for FALMOUTH READY MIX CONCRETE		0	0	0	0	0	70	0	0	0	0	0	70
<b>STAFFORD</b>	<b>STAFFORD PLANT</b>							<b>169 WYCHE RD</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD	N	95	0	95	0	0	95	0	0	0	0	0	0
Total for STAFFORD PLANT		95	0	95	0	0	95	0	0	0	0	0	0
<b>STAFFORD</b>	<b>TITAN VIRGINIA READY-MIX LLC-STAFFORD PLANT</b>							<b>48 POWELL LN</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-STAF		0	0	0	0	0	0	0	0	0	0	0	0
<b>STAFFORD</b>	<b>U.S. DOJ FBI TRAINING ACADEMY</b>							<b>MCB-4 BUILDING 15-FMU</b>				<b>NAICS Code</b>	<b>92111</b>
LEAD COMPOUNDS	N	54	3	57	0	0	57	0	0	0	0	0	21,710
Total for U.S. DOJ FBI TRAINING ACADEMY		54	3	57	0	0	57	0	0	0	0	0	21,710
<b>Total for Above County : (5 records)</b>		<b>149</b>	<b>3</b>	<b>152</b>	<b>0</b>	<b>0</b>	<b>222</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>22,171</b>
<b>VIRGINIA BEACH (CITY)</b>	<b>TITAN VIRGINIA READY-MIX LLC-OCEANA PLANT</b>							<b>160 OCEANA BLVD.</b>				<b>NAICS Code</b>	<b>32732</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for TITAN VIRGINIA READY-MIX LLC-OCE		0	0	0	0	0	0	0	0	0	0	0	0
<b>VIRGINIA BEACH (CITY)</b>	<b>U.S. NAVY FLEET COMBAT TRAINING CENTER ATL DAM NECK BAS</b>							<b>1912 REGULUS AVE</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	11,661	0	0	0	0	0	0
Total for U.S. NAVY FLEET COMBAT TRAINING		0	0	0	0	0	11,661	0	0	0	0	0	0
<b>VIRGINIA BEACH (CITY)</b>	<b>US ARMY NATIONAL GUARD CTC CAMP PENDLETON (RANGES)</b>							<b>203 RED HORSE DRIVE</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	110	0	0	0	0	0	0
Total for US ARMY NATIONAL GUARD CTC CAM		0	0	0	0	0	110	0	0	0	0	0	0

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\*\* TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>VIRGINIA BEACH (CITY)</b>	<b>US NAVY JOINT EXPEDITIONARY FORT STORY BASE</b>							<b>300 GUADALCANAL RD</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for US NAVY JOINT EXPEDITIONARY FOR		0	0	0	0	0	0	0	0	0	0	0	0
<b>VIRGINIA BEACH (CITY)</b>	<b>US NAVY NAVAL AIR STATION OCEANA BASE</b>							<b>1750 TOMCAT BLVD</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for US NAVY NAVAL AIR STATION OCEAN		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Above County : (5 records)</b>		0	0	0	0	0	11,771	0	0	0	0	0	0
<b>WARREN</b>	<b>US CBP CANINE TRAINING FACILITY FIRING RANGE #VA0040</b>							<b>828 HARMONY HOLLOW RD</b>				<b>NAICS Code</b>	<b>92212</b>
LEAD	N	0	0	0	0	0	164	0	0	0	0	0	0
Total for US CBP CANINE TRAINING FACILITY F		0	0	0	0	0	164	0	0	0	0	0	0
<b>Total for Above County : (1 record)</b>		0	0	0	0	0	164	0	0	0	0	0	0
<b>WASHINGTON</b>	<b>AZZ GALVANIZING-BRISTOL</b>							<b>14781 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>33281</b>
LEAD	N	1	0	1	0	0	1	0	36	0	36	0	430
Total for AZZ GALVANIZING-BRISTOL		1	0	1	0	0	1	0	36	0	36	0	430
<b>WASHINGTON</b>	<b>COLUMBUS MCKINNON CORP</b>							<b>22364 JEB STUART HWY</b>				<b>NAICS Code</b>	<b>33392</b>
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	29
Total for COLUMBUS MCKINNON CORP		0	0	0	0	0	0	0	0	0	0	0	29
<b>WASHINGTON</b>	<b>MXI ENVIRONMENTAL SERVICES, LLC</b>							<b>26319 OLD TRAIL RD (ST RTE 679)</b>				<b>NAICS Code</b>	<b>56211</b>
CHLORDANE	N	0	0	0	0	0	0	0	0	0	0	0	500
HEPTACHLOR	N	0	0	0	0	0	0	0	0	0	0	0	100
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	35,238
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	1,391
METHOXYCHLOR	N	0	0	0	0	0	0	0	0	0	0	0	100
Total for MXI ENVIRONMENTAL SERVICES, LLC		0	0	0	0	0	0	0	0	0	0	0	37,329
<b>Total for Above County : (7 records)</b>		1	0	1	0	0	1	0	36	0	36	0	37,788

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
<b>WESTMORELAND</b>	<b>CARRY-ON TRAILER CORP</b>							<b>159 INDUSTRIAL PARK RD</b>				<b>NAICS Code</b>	<b>33621</b>
LEAD	N	1	0	1	0	0	1	0	0	0	0	0	44
Total for CARRY-ON TRAILER CORP		1	0	1	0	0	1	0	0	0	0	0	44
<b>WESTMORELAND</b>	<b>POTOMAC SUPPLY LLC</b>							<b>1398 KINSALE RD</b>				<b>NAICS Code</b>	<b>32111</b>
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for POTOMAC SUPPLY LLC		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 records)		1	0	1	0	0	1	0	0	0	0	0	44
<b>WINCHESTER (CITY)</b>	<b>O'SULLIVAN FILMS INC</b>							<b>1944 VALLEY AVE</b>				<b>NAICS Code</b>	<b>32611</b>
LEAD COMPOUNDS	N	1	4	4	0	0	4	0	0	0	0	0	0
Total for O'SULLIVAN FILMS INC		1	4	4	0	0	4	0	0	0	0	0	0
Total for Above County : (1 record)		1	4	4	0	0	4	0	0	0	0	0	0
<b>WISE</b>	<b>VIRGINIA CITY HYBRID ENERGY CENTER</b>							<b>3425 RUSSELL CREEK RD</b>				<b>NAICS Code</b>	<b>22111</b>
DIOXIN AND DIOXIN-LIKE COMPO	N	0	3	3	0	0	3	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	135	135	0	0	33,035	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	0	0	0	0	403	0	0	0	0	0	0
Total for VIRGINIA CITY HYBRID ENERGY CENT		0	138	138	0	0	33,441	0	0	0	0	0	0
Total for Above County : (3 records)		0	138	138	0	0	33,441	0	0	0	0	0	0
<b>YORK</b>	<b>AFETA CAMP PEARY</b>							<b>1100 EXECUTIVE DRIVE</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	80	0	80	0	0	80	0	0	0	0	0	0
Total for AFETA CAMP PEARY		80	0	80	0	0	80	0	0	0	0	0	0
<b>YORK</b>	<b>U.S NAVY CHEATHAM ANNEX BASE</b>							<b>108 SANDA AVE BLDG 270</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	3,474	0	0	0	0	0	0
Total for U.S NAVY CHEATHAM ANNEX BASE		0	0	0	0	0	3,474	0	0	0	0	0	0
<b>YORK</b>	<b>US COAST GUARD TRAINING CENTER YORKTOWN</b>							<b>1 US COAST GUARD TRAINING CENTER</b>				<b>NAICS Code</b>	<b>92612</b>

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# 2016 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	4,710
Total for US COAST GUARD TRAINING CENTER		0	0	0	0	0	0	0	0	0	0	0	4,710
<b>YORK</b>		<b>US NAVY YORKTOWN NAVAL WEAPONS STATION BASE RANGE</b>						<b>RT 238</b>				<b>NAICS Code</b>	<b>92811</b>
LEAD	N	0	0	0	0	0	239	0	0	0	0	0	0
Total for US NAVY YORKTOWN NAVAL WEAPO		0	0	0	0	0	239	0	0	0	0	0	0
<b>YORK</b>		<b>YORKTOWN POWER STATION</b>						<b>1600 WATERVIEW RD</b>				<b>NAICS Code</b>	<b>22111</b>
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	90	90	0	3,780	3,870	0	0	0	0	26	16
MERCURY COMPOUNDS	N	0	20	20	0	95	115	0	0	0	0	0	1
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for YORKTOWN POWER STATION		0	110	110	0	3,875	3,985	0	0	0	0	26	17
Total for Above County : (8 records)		80	110	190	0	3,875	7,778	0	0	0	0	26	4,727

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**APPENDIX H-1 - 2016 VA TRI NAICS Code  
Ranking by On-Site Releases**

## APPENDIX H-1 - 2016 VA TRI NAICS Code Ranking by On-Site Releases (Excludes Dioxin and Dioxin Like Compounds)

NAICS Subsector	General Type of Industry	Count	Total On-Site Release (Pounds)
325	Chemical Manufacturing	223	18,882,671
221	Utilities	134	5,288,429
322	Paper Manufacturing	74	3,599,226
326	Plastics and Rubber Products Manufacturing	68	1,904,505
311	Food Manufacturing	65	1,615,234
331	Primary Metal Manufacturing	52	1,517,313
332	Fabricated Metal Product Manufacturing	93	1,017,328
312	Beverage and Tobacco Product Manufacturing	14	464,257
337	Furniture and Related Product Manufacturing	16	354,326
327	Nonmetallic Mineral Product Manufacturing	112	262,726
	<b>All Other NAICS</b>	<b>494</b>	<b>916,432</b>
928	National Security & International Affairs	55	257,828
336	Transportation Equipment Manufacturing	69	236,179
321	Wood Product Manufacturing	64	216,411
323	Printing and Related Support Activities	14	60,475
334	Computer and Electronic Product Manufacturing	26	34,434
325	Ethyl Alcohol Manufacturing	17	25,107
333	Machinery Manufacturing	31	21,152
335	Electrical Equipment, Appliance, and Component Manufacturing	19	15,696
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	13,003
316	Footwear Manufacturing	1	11,079
424	Merchant Wholesalers, Nondurable Goods	102	10,628
339	Miscellaneous Manufacturing	9	7,783
488	Other Airport Operations	12	1,881
425	Wholesale Electronic Markets and Agents and Brokers	6	1,516
922	Justice, Public Order, and Safety Activities	1	1,197
922	Police Protection	2	814
313	Textile Mills	7	336
562	Waste Management and Remediation Services	26	332
314	Textile Product Mills	3	319
927	Space Research and Technology	2	88
336	Motor Vehicle Body Manufacturing	1	73

<b>NAICS Subsector</b>	<b>General Type of Industry</b>	<b>Count</b>	<b>Total On- Site Release (Pounds)</b>
921	Executive, Legislative, and Other General Government Support	2	66
212	Mining (Except Oil and Gas)	1	23
922	Other Justice, Public Order, and Safety Activities	1	5
324	Petroleum and Coal Products Manufacturing	12	5
321	Wood Container and Pallet Manufacturing	1	2
334	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	1	1
454	Nonstore Retailers	4	0
424	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers	1	0
926	Administration of Economic Programs	1	0
334	Electronic Computer Manufacturing	1	0



**APPENDIX H-2 - 2016 VA TRI NAICS Code  
Ranking By On-Site Management**

**APPENDIX H-2**

**2016 VA TRI**

**NAICS Code Ranking by On-Site Management (Excluded Dioxin and Dioxin Like Compounds)**

<b>NAICS Subsector</b>	<b>General Type of Industry</b>	<b>Count</b>	<b>Total On-Site Treatment (Pounds)</b>
325	Chemical Manufacturing	223	741,468,401
322	Paper Manufacturing	74	23,533,049
311	Food Manufacturing	65	15,083,094
221	Utilities	134	8,449,586
326	Plastics and Rubber Products Manufacturing	68	6,697,897
332	Fabricated Metal Product Manufacturing	93	6,367,393
321	Wood Product Manufacturing	64	2,034,406
334	Computer and Electronic Product Manufacturing	26	1,619,935
336	Transportation Equipment Manufacturing	69	1,214,053
314	Textile Product Mills	3	792,976
	<b>All Other NAICS</b>	<b>526</b>	<b>1,613,579</b>
325	Ethyl Alcohol Manufacturing	17	458,337
312	Beverage and Tobacco Product Manufacturing	14	420,882
339	Miscellaneous Manufacturing	9	363,858
327	Nonmetallic Mineral Product Manufacturing	112	153,168
331	Primary Metal Manufacturing	52	85,887
928	National Security & International Affairs	55	58,675
323	Printing and Related Support Activities	14	43,886
335	Electrical Equipment, Appliance, and Component Manufacturing	19	15,692
488	Other Airport Operations	12	7,725
424	Merchant Wholesalers, Nondurable Goods	102	3,379
313	Textile Mills	7	2,089
324	Petroleum and Coal Products Manufacturing	12	1
321	Wood Container and Pallet Manufacturing	1	0
316	Footwear Manufacturing	1	0
425	Wholesale Electronic Markets and Agents and Brokers	6	0
927	Space Research and Technology	2	0
926	Administration of Economic Programs	1	0
922	Police Protection	2	0
922	Other Justice, Public Order, and Safety Activities	1	0
922	Justice, Public Order, and Safety Activities	1	0

<b>NAICS Subsector</b>	<b>General Type of Industry</b>	<b>Count</b>	<b>Total On-Site Treatment (Pounds)</b>
921	Executive, Legislative, and Other General Government Support	2	0
333	Machinery Manufacturing	31	0
454	Nonstore Retailers	4	0
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	0
424	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers	1	0
337	Furniture and Related Product Manufacturing	16	0
336	Motor Vehicle Body Manufacturing	1	0
334	Electronic Computer Manufacturing	1	0
334	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	1	0
212	Mining (Except Oil and Gas)	1	0
562	Waste Management and Remediation Services	26	0

**APPENDIX I-1 - 2016 VA TRI Facility  
Ranking By On-Site Releases**

# ***Appendix I-1***

## ***2016 Toxics Release Inventory***

**APPENDIX I-1  
2016 VA TRI  
FACILITY RANKING BY ON-SITE RELEASES  
(Excludes Dioxin and Dioxin-like Compounds)**

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Releases (lbs)</b>	<b>Physical Street Address</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
1	BAE Systems, Ordnance Systems Inc	12190175.42	Radford Army Ammunition Plant 4050 Peppers Ferry R	Radford	Montgomery	24141RDFRDPOBOX
2	Ingevity Virginia Corporation	2447379.123	958 East Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
3	Advansix Inc Hopewell Plant	2394761	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
4	Chesterfield Power Station	1874943	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
5	Jewell Coke Co LP	1469300	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46
6	International Paper Franklin Mill	1345983.824	34040 Union Camp Dr	Franklin	Isle of Wight	23851NNCMPHIGHW
7	Virginia City Hybrid Energy Center	1146952.88	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R
8	Clover Power Station	1132767.71	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
9	Westrock Cp, LLC	918637.8604	1901 Main St	West Point	King William	23181CHSPK19THM
10	Perdue Farms Accomac Processing Plant	783549	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
11	CPFilms - Plant II	731692	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68

*Virginia TRI Report – Summary of Data  
from 2016 Facility Reports (issued March 2018)*

## ***Appendix I-1***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Releases (lbs)</b>	<b>Physical Street Address</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
12	Doswell Lp	704816	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098
13	Church & Dwight Co Inc	557477.79	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
14	Hercules Incorporated	542509	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
15	Westrock CP, LLC	503748.2239	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
16	Ball Metal Beverage Container Corp	492000	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P
17	Georgia-Pacific Big Island Mill	439633.8768	9363 Lee-Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW
18	BWXT Nuclear Operations Group, Inc.	427760	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCKMTATH
19	Dupont Spruance Plant	345601	U.S. Hwy 1 At Cogbill Rd	Richmond	Chesterfield	23234DPNTSUSHIG
20	Philip Morris USA Park 500 Site	344463	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
21	Greif Packaging LLC	315342.9095	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE
22	Perdue Farms Inc-Chesapeake Grain	274255	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
23	Honeywell International Colonial Heights Plant	271632	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5

## ***Appendix I-1***

## ***2016 Toxics Release Inventory***

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24	Celanese Acetate LLC - Celco P Lant	267832.11	3520 Virginia Ave	Narrows	Giles	24124HCHSTR460
25	Yorktown Power Station	248141.43	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W
26	Dupont Teijin Films	126888	3600 Discovery Dr	Chester	Chesterfield	23860CMRCSBERMU
27	Mondelez Global LLC	118662	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S
28	Masco Cabinetry	117898.2769	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
29	New Market Poultry LLC	117000	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD
30	Pent Reservation	103675.4	N Rotary Rd	Arlington	Arlington	2220WPNTRSNTAR
31	Kinyo Virginia Inc	96100	290 Enterprise Dr	Newport News	Newport News (City)	23603KNYVR290EN
32	Lhoist NA of Virginia Inc Kimballton Area 1	92563.41	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
33	Huntington Ingalls Incorporated	87358.4499	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
34	Aquatic Co	86980	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPPOBOX
35	Huber Engineered Woods LLC	86414.25833	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRT3HW

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36	Georgia-Pacific Wood Products LLC - Brookneal OSB	83464.554	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW
37	Smithfield-Smithfield Facility (North)	82833.5	601 N Church St	Smithfield	Isle of Wight	23430GWLTNHIGHW
38	Vaughan-Bassett Furniture Co. Galax	81447.1401	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO
39	US Army National Guard Fort Pickett (Ranges)	80900.7	Us Pfo Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
40	Intertape Polymer Corp	80720	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
41	Norcraft Companies	78628	1 Millrace Dr	Lynchburg	Lynchburg (City)	24502STRMR1MILL
42	JTI Leaf Services (US) LLC	75740	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
43	Virginia Marble Manufacturers Inc	72853	Corner of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE
44	Bellemeade Power Station	69000	1860 Commerce Rd	Richmond	Richmond (City)	23224BLLMD1860C
45	Vpgc LLC Hinton Facility	67412	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
46	Dynax America Corp	55426	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
47	Bear Island Paper WB LLC	54755	10026 Old Ridge Rd	Ashland	Hanover	23005BRSLNPOBOX
48	Tyson Farms Inc. - Processing Facility	50779	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U

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49	Appalachian Plastics Inc.	50200	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX
50	General Shale Brick Inc Plant 35 & 36	49740	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
51	Mica Co of Canada Inc	49549	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE
52	Roanoke Cement Co LLC	48023.6865	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
53	Virginia Marble Manufacturers Inc	45321	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
54	Possum Point Power Station	41480.94	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000
55	Danchem Technologies Inc	41113.2	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
56	Colonna'S Shipyard Inc	39417.9	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
57	Elkay Wood Products Co	36609	2000 Cane Creek Pkwy	Ringgold	Pittsylvania	24586YRKTW2CANE
58	Strongwell Corp Bristol	35147	400 Commonwealth Ave	Bristol	Bristol (City)	24203MRRSN400CO
59	Strongwell Corporation-Bristol	35147	400 Commonwealth Ave.	Bristol	Washington	24203MRRSN400CO
60	Kingspan Insulation LLC	33780.03	172 Pactiv Way	Winchester	Frederick	22601MCFMPROUTE

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61	Tyson Farms Inc-Temperanceville	33738	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
62	Spruance Genco LLC	33171.7961	5001 Commerce Rd	Richmond	Richmond (City)	23234CGNTR5001C
63	Philip Morris USA Commerce Road Site	32018	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
64	George's Chicken LLC	31067	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFR RTE42
65	Slocum Adhesives Corp	29312	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
66	Georgia Pacific Wood Products LLC Emporia Plywood	29294.04299	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS
67	Griffin Pipe Products Co	28723.864	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS
68	Solenis LLC	28121.99	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
69	Axalta Coating Systems LLC-Front Royal Plant	27501	7961 Winchester Rd	Front Royal	Warren	22630DPNTFPOBOX
70	Cpfilms Inc-Axton Facility	27193	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S
71	Bassett Plant 11	25771	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
72	Micron Technology Inc.	24354	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G
73	Green Plains Hopewell LLC	23852	701 S 6Th Ave	Hopewell	Prince George	2386WPPMTT71S6T
74	Wako Chemicals USA Inc	23650	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B

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75	Akzo Nobel Coatings Inc	22823	2837 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015RLNCN2837R
76	Onduline Na	21123.8	4900 Ondura Dr	Fredericksburg	Fredericksburg (City)	22401NDLNN4900O
77	Ennis-Flint Richmond	20681	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
78	Gordonsville Power Station	20600	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE
79	HAPCO	19760.953	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
80	General Dynamics-OTS, Inc.	19300	150 Johnston Rd	Marion	Smyth	24354BRNSW150JO
81	Bridgewater Processing Plant Facility #08	18700	100 Quality St.	Bridgewater	Rockingham	22812PRDNC100QU
82	U.S. Navy Norfolk Naval Shipyard	18400	Intersection of Effingham St & George Washington H	Portsmouth	Portsmouth (City)	23709SDDSNINTER
83	Omega Protein Inc	18178	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX
84	Carry-On Trailer Corp	17817	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN
85	US/Navy Naval Support Activity Northwest Annex Range	17769.1	1320 Nw Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
86	Merck Sharp & Dohme Corp.	16771	2778 Se Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW

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87	Polynt Composites USA Inc.	16100.00005	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
88	Valley Proteins Inc-Winchester Facility	15848	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
89	LSC Communications / Harrisonburg N	15396	2347 Kratzer Rd	Harrisonburg	Rockingham	22801RRDNN1400K
90	Wolverine Advanced Materials	15130.74	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S
91	Veolia James River Plant	14873	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B
92	Masco Cabinetry LLC	13962.9272	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
93	Ardagh Metal Packaging USA Inc	13800	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL
94	Joint Base Langley Eustis-Eustis (Jble-Eustis)	13561	705 Washinton Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE
95	Invista Sa RI-Waynesboro Facility	13018	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON
96	Ball Advanced Aluminum Technologies Corp	13003.3	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE
97	CPFilms, Inc.	12959.3	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
98	LSC Communications / Lynchburg	12958.32	4201 Murray Pl	Lynchburg	Lynchburg (City)	24506MRDTH4201M
99	Nibco of Virginia Inc.	12526.2	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE

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100	QG Printing II Corp	12490.28	160 Century Ln Stonewall Ind Us Trial Park	Winchester	Frederick	22603QBCRW16CEN
101	Consolidated Glass & Mirror	12288	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
102	New Millennium Building Systems	12021.46	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
103	U.S. Navy Fleet Combat Training Center Atl Dam Neck Base	11661.1	1912 Regulus Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
104	Foot Levelers Inc.	11079	518 Pocahontas Ave	Roanoke	Roanoke (City)	2401WFTLVL518PC
105	Bellwood Printing Plant	10712	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
106	STIHL Inc	10423	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
107	O'Sullivan Films Inc	10417.38	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
108	Alliant Techsystems Operations LLC (New River Energetics)	10218.63	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
109	Bear Garden Generating Station	10100	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
110	Aleris Rolled Products Inc	9999.605	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
111	Federal-Mogul Corp	9908.631	300 Industrial Park Rd Se	Blacksburg	Montgomery	24060FDRLMRT460

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112	Virginia Transformer Corp	8964	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
113	Anheuser-Busch LLC	8399	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
114	BASF Corp	7929	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
115	Wolverine Advanced Materials	7843.29	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
116	Sterilization Services of Virginia	7777	5674 Eastport Blvd	Richmond	Richmond (City)	23231STRLZ5674E
117	Arkema Inc	7670	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI
118	Stella Jones Corp-Goshen Facility	7582	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
119	Fiberglass Engineering Co	6814	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
120	South Atlantic Galvanizing LLC	6591.455	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
121	Virginia Transformer Corp.	6529	220 Glade View Dr Ne	Roanoke	Roanoke	24012VRGNT220GL
122	American Gfm Corp	6438	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
123	Strongwell Corp Highlands Div	6275	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770
124	Rps Composites Virginia, Inc.	6241	211 E 4Th St	Front Royal	Warren	22630SHNND210E4

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125	Birchwood Power Facility	6019.06	10900 Birchwood Dr	King George	King George	22547BRCHW10900
126	Viasystems Technologies Corp LLC	5811	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
127	BAE Systems Norfolk Ship Repair	5411.81	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
128	Allied Aviation Fueling Co Inc	5050	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
129	Wheelabrator Abrasives Inc	5023	1 Abrasive Ave	Bedford	Bedford	24523WHLBR1ABRA
130	Howmet Castings & Services Inc	4686	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONCHO
131	Canon Virginia Inc	4267	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
132	Koppers Inc (Roanoke)	4208.9	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
133	LSC Communications Strasburg Div	4071	One Shenandoah Valley Dr	Strasburg	Shenandoah	22657SHNNDROUTE
134	Steel Dynamics Inc Roanoke Bar Div	4040.6	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE
135	Wood Preservers Inc	4013.5	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
136	Yokohama Tire Manufacturing Virginia LLC	4007.799	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
137	Upaco Adhesives Inc	3880	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C

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138	Rexnord Industries LLC	3643	150 Johnson Dr	Stuarts Draft	Augusta	24477PTCMPRTS34
139	Millercoors-Shenandoah	3637	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHROUTE
140	QG Printing II Corp	3489	7619 Doane Dr	Manassas	Manassas (City)	22110TRSRC7619C
141	U.S Navy Cheatham Annex Base	3473.8	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
142	U.S. Amines (Portsmouth) LLC	3236	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E
143	U.S. Army Garrison Fort Lee Va - Ranges	3087.1	825, 19Th Street, Bldg 6005	Fort Lee	Prince George	23801SRMYC3901A
144	Us Marine Corps Base Quantico Range Complex	2894.66	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
145	Pilgrim'S Pride Corp Broadway Facility	2700	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
146	Evonik Industries	2381.4	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
147	Davis-Frost Inc	2173	3416 Candlers Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
148	O-N Minerals (Chemstone) Winchester Lime Plant	2037.11	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
149	Motiva Fairfax Terminal	2029	3800 Pickett Rd	Fairfax	Fairfax (City)	22031FRFXT3800P
150	Asig Fueling Operations Wash Dulles International Airport	1880.67	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD

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151	Cerro Fabricated Products Inc	1856.26	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR
152	Commonwealth Galvanizing	1763.67	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
153	Valmont-Virginia Galvanizing Inc	1741.2	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
154	US Defense Logistics Agency Defense Supply Center Richmond	1516	8000 Jefferson Davis Hwy	Richmond	Chesterfield	23297DFNSG8000J
155	Cameron Chemical Inc.	1515	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
156	Chemsolv Inc	1447	1140 Industry Ave Se	Roanoke	Roanoke (City)	24013CHMSL1140I
157	Volvo Group North America, LLC	1398	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE
158	Cpfilms Inc-Plant 1	1270	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
159	KMX Chemical Corp	1255	30474 Energy Dr	New Church	Accomack	23415NWCHRRT709
160	AZZ Galvanizing-Bristol	1254.571	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN
161	Degesch America Inc	1199	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR
162	US Penitentiary Lee	1196.72	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI
163	Hutchinson Sealing Systems Inc	1177	1150 S Third St	Wytheville	Wythe	24382KNGST1150S

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164	US Navy Naval Station Norfolk Range	1080.301	1530 Gilbert St	Norfolk	Norfolk (City)	23511NVLBS1530G
165	Kinder Morgan Transmix Company, LLC	1078.18	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
166	IR Engraving LLC	1070	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L
167	Steelfab of Virginia Inc	990.85	1510 Reese St	Emporia	Greensville	23847STFBF1510R
168	Mar-Bal, Inc.	933	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
169	Pine Products Inc	919	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
170	Rti Martinsville Inc	676	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
171	Trident Americas	659	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
172	Bren Mar	650	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
173	Accutec Blades, Inc.	643	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR
174	Carpenter Co Richmond Plant	603.2	2400 Jefferson Davis Hwy	Richmond	Richmond (City)	23234RCRPN2400J
175	Dominion Chemical Co Inc	510	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
176	Papco Inc	509	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
177	Arkema Inc Franklin Plant	500	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
178	HP Hood LLC	500	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
179	Chaparral (Va) Inc	499.798208	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801

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180	Univar USA Inc Chester Facility	473	1001 Old Bermuda Hundred Rd	Chester	Chesterfield	23836PRLLM1001O
181	Titan Wheel Corp of Virginia	458	227 Allison Gap Rd	Saltville	Smyth	24370TDWHL227AL
182	Sicpa Securink Corp	402	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R
183	US Navy Naval Air Station Oceana Base	389	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
184	The Goodyear Tire & Rubber Co.	370.693	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
185	Redland Brick Inc- Lawrenceville Plant	364.28	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
186	Tecton Products LLC	349	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
187	Morgan Lumber Company, Inc.	348	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
188	Pre Con Inc	335.6	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP
189	Mecklenburg Power Station	321	204 Cogen Dr	Clarksville	Mecklenburg	23927MCKLN204CO
190	Mehler Engineered Products	318.5	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
191	Tcs Materials Richmond Plant	301.74574	2100 Deepwater Terminal Road	Richmond	Richmond (City)	2322WTCSMT21DEE
192	Southern Graphic Systems LLC	288	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE

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193	Newington Concrete Plant	278.80281	8413 Terminal Rd	Lorton	Fairfax	22122NWNGT8413T
194	Virginia Concrete Dulles Plant	278.08767	44866 Old Ox Rd	Sterling	Loudoun	22170VRGNC44866
195	Virginia Concrete Dulles Plant	278.08767	44866 Old Ox Road	Sterling	Loudoun	22170VRGNC44866
196	Bleachtech LLC	265	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
197	MXI Environmental Services, LLC	250	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
198	Owens-Brockway Glass Container Inc Plant 29	242.94	State Rd	Ringgold	Pittsylvania	24586WNSBRSTATE
199	US Navy Yorktown Naval Weapons Station Base Range	238.7	Rt 238	Yorktown	York	2369WSNVYYRUTE2
200	Parker Hannifin Integrated Seals Div	228	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
201	Parker Hannifin Integrated Sea Ls Division	228	3700 Mayflower Dr	Lynchburg	Campbell	24501WYNNS3700M
202	Electroplate-Rite Corp	220	5529 Lee Hwy	Dublin	Pulaski	24084LCTRPUSRTE
203	US Navy Defense Fuel Support Point Craney Island	218.02	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
204	Virginia Concrete Gainesville Plant	207.71367	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI

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## ***2016 Toxics Release Inventory***

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205	O-N Minerals (Chemstone) Strasburg Lime Plant	204.99	1696 Oranda Rd	Strasburg	Shenandoah	22657GLBLS1696O
206	Virginia Concrete Shirlington Plant	179.88399	2651 Shirlington Road	Arlington	Arlington	22206VRGNC2651S
207	Virginia Concrete Shirlington Plant	179.88399	2651 Shirlington Rd	Arlington	Arlington	22206VRGNC2651S
208	US CBP Canine Training Facility Firing Range #Va0040	163.88	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA
209	US Navy Defense Fuel Support Point Yorktown Fuels	160.6	Yorktown Fuel Terminal	Yorktown	York	23690SNVYDYRKTW
210	ABB Inc	158	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
211	Virginia Concrete Edsall Road Plant	152.0776	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
212	Titan Virginia Ready-Mix LLC-Sterling Plant	114.4327	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963
213	US Army National Guard CTC Camp Pendleton (Ranges)	110	203 Red Horse Drive	Virginia Beach	Virginia Beach (City)	2345WCTCCM23RED
214	Spotsylvania Plant	109.34	8520 Indian Hills Ct.	Fredericksburg	Spotsylvania	2240WSPTSY852IN
215	GE Alstom Richmond Service Center	107.5	1200 Willis Rd	Richmond	Chesterfield	23237LSTMP1200W

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216	James River Cogeneration Co Inc	96.3845	912 E Randolph Rd	Hopewell	Hopewell (City)	23860JMSRV912ER
217	Stafford Plant	94.65	169 Wyche Rd	Stafford	Stafford	2255WSTFFR169WY
218	U.S. Dod, Usaf, Joint Base Langley Eustis - Langley Afb	91	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC
219	U.S. Nasa Gsfc Wallops Flight Facility	88.1341	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO
220	Capital Concrete Inc.	82.5046	400 Stapleton St	Norfolk	Norfolk (City)	2350WCPTLC4STAP
221	Afeta Camp Peary	80	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
222	Altec Industries, Inc.	73	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
223	Falmouth Ready Mix Concrete	70.4	301 Warrenton Road	Falmouth	Stafford	2240WFLMTH31WAR
224	United States Gypsum Co	69.53	1424 S Main St	Norfolk	Norfolk (City)	23523NTDST1001B
225	Tms International, LLC	67.50096	25805 Hofheimer Way	Petersburg	Dinwiddie	23803MSDVT2585H
226	Cox Wood of Virginia	67	2960 Cox Rd	Blackstone	Nottoway	23824TYLRRHIGHW
227	U.S. Doj Fbi Training Academy	66	Mcb-4 Building 15-Fmu	Quantico	Stafford	22135SDJFBMCB4B
228	Titan Virginia Ready-Mix LLC-Campostella Plant	64.8653	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K

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229	Titan Virginia Ready-Mix LLC-Springfield Plant	57.6473	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
230	Graham-White Manufacturing Co.	47.8	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C
231	Modine Manufacturing Co	44.2905	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M
232	Samuel Pressure Vessel Group - Lebanon	40	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM
233	Hubbell Lighting Inc	40	2000 Electric Way	Christiansburg	Montgomery	24073HBBLL2000E
234	Hoover Treated Wood Products, Inc	38.46	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
235	King George Plant	35.93	13250 James Madison Parkway	King George	King George	2248WKNNGR1325J
236	Daikin Applied	33.19	207 Laurel Hill Rd	Verona	Augusta	24482SNYDRRT612
237	Eternal Technology Corp	32.97	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC
238	Titan Virginia Ready-Mix LLC-Centreville Plant	30.4252	15718 Lee Hwy	Centreville	Fairfax	2202WTTNVR15718
239	Owens-Brockway Glass Container Inc Plant 26	28.24	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
240	Arbortech Forest Products, Inc.	28	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR
241	Howell Metal Co	26	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE

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242	Utility Trailer Manufacturing Co	25	124 Mountain Empire Rd	Atkins	Smyth	24311TLTYTSTATE
243	Utility Trailer Mfg. Co.	25	124 Mountain Empire Road	Atkins	Smyth	24311TLTYTSTATE
244	Kyanite Mining Corp Mullite Plant	23.4	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15
245	Medeco Security Locks Inc.	21.95	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
246	Mechanicsville Concrete LLC-Airport Plant (Oakleys Lane)	21.2198	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
247	Trelleborg Marine Systems USA, Inc.	21	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
248	Agc Flat Glass Na Abingdon Plant	20	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
249	Atlantic Pole & Piling - Newsoms	19	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTCRTE67
250	Old Dominion Electric Co-Op Louisa Generation Facility	18	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
251	Associated Asphalt Roanoke, LLC	17.29	2677 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015SSCTD2677R
252	Utility Trailer Manufacturing Co	17	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M



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253	Sun Chemical Corp	16	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
254	Mechanicsville Concrete LLC-Petersburg Plant	15.7135	26317 Simpson Rd	Petersburg	Dinwiddie	2380WMCHNC26317
255	Nordson Xaloy Inc	15.7	102 Xaloy Way	Pulaski	Pulaski	24301XLYNC101XA
256	Carry-On Trailer Corp	14.07	617 Harry Hogan Rd	Callao	Northumberland	22435CRRYN617HA
257	Blue Ridge Fiberboard	14	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
258	Us Navy Joint Expeditionary Little Creek Range	13.83	2600 Tarawa Ct Suite 100	Norfolk	Norfolk (City)	23521SDDSN2600T
259	Associated Asphalt Bristol, LLC	12.86	10 Spurgeon Lane	Bristol	Bristol (City)	2420WSSCTD1SPUR
260	Us Army Garrison Fort Belvoir	12.3	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYF943JA
261	Bingham & Taylor	11.37	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
262	Us Coast Guard Base Portsmouth	11.21	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
263	Manassas Broad Run Ready Mix Concrete	11.064	9321 Developers Drive	Manassas	Prince William	2010WMNSSS9321D
264	Associated Asphalt Hopewell LLC	10.06	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT

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265	Tempur Production USA Inc	10	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
266	Catalina Cylinders Inc	10	2400 Aluminum Ave	Hampton	Hampton (City)	23666CTLNC2400A
267	Bohler Uddeholm Corporation	10	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
268	Murphy-Brown LLC Waverly Feed Mill	7	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404
269	Metalsa Roanoke Inc.	6.9	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI
270	American Buildings Company-La Crosse	6.55	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
271	Everbrite LLC	6.03	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
272	Te Connectivity	5.78	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
273	Us Dhs Mt Weather Eoc	5.06	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
274	Schrader-Bridgeport International	5.02	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
275	Safety-Kleen Systems Manassas (Man)	5	11520 Balls Ford Rd	Manassas	Prince William	22110SFTYK11520
276	Shamrock Foods Dairy Div Verona Virginia	5	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
277	Gala Industries Inc.	5	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
278	Ge Drives & Controls	5	1501 Roanoke Blvd	Salem	Salem (City)	24153DRVSY1501R

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279	Safety-Kleen Systems Vinton (Roa)	5	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
280	Chantilly Ready Mix Concrete	3.844	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232
281	Safety-Kleen Systems Chester (Cva)	3	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
282	Hirschfeld Industries Bridge, LLC	2.4	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I
283	Pallet One of Virginia	2.04	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
284	Papco Oil Company	2	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
285	Branscome-Hampton	1.673847	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
286	Bae Systems Information & Electronic Systems Integration I	1.66	9300 Wellington Rd	Manassas	Prince William	20110BSYSN9300W
287	Boxley Concrete Products of Va Inc Roanokeplant	1.6	3830 Blue Ridge Dr	Roanoke	Roanoke (City)	24019BXLVC383BL
288	Branscome-Lee Hall	1.570658	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
289	Greystone of Virginia Inc	1.32	7992 Richmond Rd	Toano	James City	23168GRYST7992R
290	General Electric	1.22	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N
291	Branscome Inc-Norfolk Westminster	1.078036	3425 Westminster Ave	Norfolk	Norfolk (City)	23504BRNSC3425W

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292	Safety-Kleen Systems Chesapeake (Cpk)	1	4545 Bainbridge Blvd	Chesapeake	Chesapeake (City)	23320SFTYK4545B
293	Kik (Virginia) LLC	1	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL
294	Amsted Rail Co Inc	0.998	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
295	Bkep Materials, LLC -- Newport News Va	0.7	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
296	Virginia Mirror Co Inc	0.62	300 S Moss St	Martinsville	Henry	24112VRGNM300MO
297	St Tissue LLC	0.5	34050 Union Camp Dr	Franklin	Isle of Wight	2385WSTTSS345UN
298	Taylor & Boody Inc.	0.4	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE
299	Ladysmith Combustion Turbine Station	0.3	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
300	Northrop Grumman Systems Corporation	0.2696	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
301	Northrop Grumman Systems Corpo Ration	0.2696	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
302	Rock-Tenn Co	0.26	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
303	Sonoco Richmond	0.225	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
304	Concrete Pipe & Precast LLC-Hanover Pipe Plant	0.18	10350 Design Rd	Ashland	Hanover	2300WMRCST135DE
305	Concrete Pipe & Precast LLC-Ashland Precast Plant	0.16	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI

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306	Flint Group Na Corp	0.16	106 Triangle Dr	Weyers Cave	Augusta	24486CPTLPSTATE
307	Concrete Pipe & Precast LLC Chesapeake Plant	0.13	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
308	Anchor An Oldcastle Co	0.1	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
309	Concrete Pipe & Precast LLC-Salem #1 Plant	0.09	2000 Salem Industrial Dr	Salem	Salem (City)	24153HNSNP2SALE
310	Concrete Pipe & Precast LLC-Harrisonburg Precast Plant	0.05	210 Stone Spring Rd	Harrisonburg	Rockbridge	2280WVLLYB21STN
311	Columbus Mckinnon Corp	0.046	22364 Jeb Stuart Hwy	Damascus	Washington	24236CLMBSRTE1B
312	Pre Con, Inc.	0.041	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
313	Virginia Concrete Leesburg Plant	0.03965	659 Builders Ln	Ashburn	Loudoun	2207WVRGNC659BU
314	Titan Virginia Ready-Mix LLC-Leesburg Plant	0.034	42105 Cochran Mill Rd	Leesburg	Loudoun	2017WTTNVR4215C
315	Virginia Concrete Spotsylvania Plant	0.03263	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
316	Tcs Materials Chester Plant	0.03013	12020 Old Stage Road	Chester	Chesterfield	2383WTCSMT122LD
317	Titan Virginia Ready-Mix LLC-Port Norfolk	0.0287	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA

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	Plant					
318	Virginia Concrete Sterling Plant	0.0285	44866 Old Ox Rd	Sterling	Loudoun	2016WVRGNC44866
319	Titan Virginia Ready-Mix LLC-Oceana Plant	0.0257	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA
320	Superior Concrete Inc-Harrisonburg	0.0257	1526 County Club Rd	Harrisonburg	Rockingham	2280WSPRRC1526C
321	Virginia Concrete Dumfries Plant	0.02379	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
322	Mechanicsville Concrete LLC-Chesterfield Plant	0.0221	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
323	Titan Virginia Ready-Mix LLC-Clear Brook Plant	0.0203	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
324	Virginia Concrete Woodbridge Plant	0.01921	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
325	Titan Virginia Ready-Mix LLC-Stafford Plant	0.018	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
326	Kaiser Aluminum Fabricated Products LLC	0.016696	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R
327	Tcs Materials Newport News	0.01638	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE
328	Argos Ready Mix Bryan Park Concrete	0.016	4607 Racrete Rd	Richmond	Henrico	23230RDYMX457RA

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	Plant					
329	Titan Virginia Ready-Mix LLC-Dumfries Plant	0.0123	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
330	Virginia Concrete Co Inc-Chantilly	0.00246	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
331	Virginia Concrete Falls Church Plant	0.00219	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
332	Ready Mixed Concrete Co	0.0021	4608 Racrete Rd	Richmond	Henrico	2323WMCHNC468RA
333	Oldcastle Precast Inc	0.0011	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
334	Bush Center For Intelligence (Cia)	0	1000 Colonial Farm Rd	Mc Lean	Fairfax	2210WCHDQRRUTES
335	Vpgc LLC Broadway Feedmil	0	410 S Main St	Broadway	Rockingham	22815WMPLR RTE42
336	Blue Ridge Wood Preserving Inc.	0	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
337	Mastic Home Exteriors Stuarts Draft	0	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90
338	Bondcote Corp	0	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
339	Webb Enterprises LLC American Mirror	0	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
340	Novozymes	0	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES

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341	Aerccom Inc	0	3301 Rosedale Ave Ste D	Richmond	Richmond (City)	23230RCCMN33RSE
342	Westover Dairy	0	2801 Fort Ave	Lynchburg	Lynchburg (City)	24501WSTVR2801F
343	Amelia Lumber Co Inc	0	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951
344	Us Dod Warrenton Training Center Station C Range	0	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S
345	Wwf Operating Co	0	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
346	Us Coast Guard Training Center Yorktown	0	1 Us Coast Guard Training Center	Yorktown	York	23690SCSTGENDOF
347	Accellent	0	200 S. Yorkshire Street	Salem	Roanoke	24153NBLMT200SY
348	Novozymes Biologicals Inc	0	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH
349	Prochem, Inc	0	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT
350	Cargill Meat Solutions Inc	0	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
351	Cargill Turkey Production LLC	0	1 Kratzer Rd	Harrisonburg	Rockingham	22802RCCFR1KRAT
352	Marva Maid Dairy	0	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C
353	Us Dod, Warrenton Training Center Station	0	7471 Bear Wallow Road	Warrenton	Fauquier	2018WSDDSR7471B



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	B					
354	Pilgrim'S Pride Corp Harrisonburg Feedmill	0	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
355	Pascor Atlantic Corp	0	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
356	Banker Steel Company, LLC	0	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA
357	Metl-Span A Div of Nci Group Inc	0	1703 Ruffin Mill Rd	Colonial Heights	Colonial Heights (City)	2383WMTLSP173RU
358	Banker Steel Company, LLC	0	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
359	Micrometrics System	0	225 Jeb Stuart Hwy	Meadows of Dan	Patrick	24120MCRMT2900W
360	Valcom Inc	0	5614 Hollins Rd	Roanoke	Roanoke	24019VLCMN5614H
361	Pugh Lubricants Ashland	0	10992 Leadbetter Rd	Ashland	Hanover	23005PGHLB1992L
362	Us Navy Joint Expeditionary Fort Story Base	0	300 Guadalcanal Rd	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD
363	Old Dominion Electric Co-Op Marsh Run Generation Facility	0	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
364	Moog Inc.	0	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N
365	Mitsubishi Chemical Composites America	0	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
366	Abb Inc	0	171 Industry	Bland	Bland	24315BBPWRSTRTE

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			Drive			
367	Munters	0	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
368	Potomac Supply LLC	0	1398 Kinsale Rd	Kinsale	Westmoreland	22488PTMCSROUTE
369	Mw Manufacturers Inc	0	433 N Main St	Rocky Mount	Franklin	24151MWMNF433NM
370	Blue Ridge Solvents & Coatings	0	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
371	Nationwide Homes Inc.	0	1100 Rives Rd	Martinsville	Henry	24112NTNWD100RI
372	Metl-Span, A Division of Nci Group, Inc.	0	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q
373	Noble-Met LLC A Subsidiary of Lake Region Medical	0	200 S Yorkshire St	Salem	Roanoke	24153NBLMT200SY
374	Zenith Fuel Systems LLC	0	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I
375	Flowserve Us Inc	0	3900 Cook Blvd	Chesapeake	Chesapeake (City)	23323NGRSL3900C
376	Georges Family Farms, LLC Mt Jackson Feed Mill	0	560 Caverns Rd	Mount Jackson	Shenandoah	22844HLLYFSTATE
377	General Shale Brick Inc Plant 28	0	7164 Lee Hwy	Atkins	Smyth	24354GNRLSRTE4B
378	Gemini-Farmville	0	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU

## ***Appendix I-1***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Releases (lbs)</b>	<b>Physical Street Address</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
379	Gea Systems Dba LLC (Dba LLC Dowty Propellers)	0	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
380	James Hardie Building Products Pulaski	0	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME
381	Gcp Applied Technologies, Inc	0	1101 International Pkwy	Fredericksburg	Stafford	22406WRGRC1101I
382	S.L. Williamson Co. Inc. Shop	0	1230 River Road	Charlottesville	Albemarle	2290WSLWLL123RI
383	Jci Jones Chemicals Inc.	0	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
384	Superior Concrete Materials Inc. - Dulles	0	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
385	Flowserve Corp Lynchburg Va	0	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
386	Fleetwood Homes of Virginia Inc 19-2	0	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA
387	Fisher Scientific International Mtn Diagnostics Plant	0	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
388	Sabra Dipping Co LLC	0	15900 Sabra Way	Colonial Heights	Chesterfield	2383WSBRDP159SA
389	Johns Manville Corp Hamilton Plant	0	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
390	Trim Systems	0	320 Newbern Rd	Dublin	Pulaski	24084TRMSY320NE

## ***Appendix I-1***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Releases (lbs)</b>	<b>Physical Street Address</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
391	Forum Energy Technologies-Syntech	0	7371 Lockport Pl	Lorton	Fairfax	2207WSYNTC7371L
392	Grottoes Plastics Plant	0	149 Grand Caverns Drive	Grottoes	Augusta	24441RYNLDCAVER
393	Hunt Country Propane	0	535 Jack Enders Blvd	Berryville	Clarke	2261WHNTCN535JA
394	Sandvik Mining & Construction Co	0	15020 Ind Us Trial Park Rd	Bristol	Washington	24201SNDVK1000I
395	Smith Mountain Industries, Inc.	0	1000 Dillard Dr	Lynchburg	Lynchburg (City)	2455WSMTHM1DILB
396	Smith Mountain Industries, Inc.	0	200 Toy Lane	Blairs	Pittsylvania	2455WSMTHM1DILL
397	Iac-Strasburg,LLC	0	806 E Queen St	Strasburg	Shenandoah	22657TMTVNEASTQ
398	Industrial Chemicals Inc	0	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B
399	George'S Foods LLC Feed Mill	0	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
400	Harris Corp - Night Vision	0	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P
401	George'S Foods, LLC. Processing Plant	0	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
402	Grottoes Plastics Plant	0	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER
403	Griffith Energy Services Inc-Berryville	0	618 E Main St	Berryville	Clarke	22611CLRKC618EM

## ***Appendix I-1***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Releases (lbs)</b>	<b>Physical Street Address</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
404	Great Southern Wood - Va, Inc.	0	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH
405	Sunlite Plastics Inc.	0	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
406	Gilmer Industries Inc	0	560 Stone Spring Rd	Harrisonburg	Harrisonburg (City)	22801GLMRN560ST
407	Super Radiator Coils	0	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO
408	Tidewater Wood Products, LLC	0	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
409	International Cold Storage	0	5678 Heards Mountain Rd	Covesville	Albemarle	22931INTRNTRROUTE
410	Qualichem Inc	0	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
411	Colonial Circuits Inc.	0	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
412	Cmc Rebar	0	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
413	Cmc Rebar	0	300 Smi Way	Farmville	Prince Edward	23901SMRBR300SM
414	Tyson Farms Inc. - Feed Mill	0	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY
415	Land-O-Sun Dairies LLC (Db a Pet Dairy) Richmond	0	1505 Robin Hood Rd	Richmond	Richmond (City)	23220RCHFD1505R
416	Quarles Petroleum Inc. Culpeper Bulk Plant	0	15427 Brandy Rd	Culpeper	Culpeper	22701QRLSP15427

## ***Appendix I-1***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Releases (lbs)</b>	<b>Physical Street Address</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
417	Mennel Milling Co of Virginia	0	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B
418	Chemtreat Inc	0	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
419	Conn-Weld Ind Inc	0	New Bern Rd State Rd 682	Dublin	Pulaski	24084CNNWLNEWBE
420	Chemetrics Inc	0	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C
421	Us Army Fort Ap Hill Ranges (Part)	0	19952 North Range Rd	Bowling Green	Caroline	22427SRMYF18902
422	Cgi Federal Inc	0	12601 Fair Lakes Cir	Fairfax	Fairfax	2203WCGFDR1261F
423	Qpi Warsaw Bulk Plant	0	11549 Historyland Hwy	Warsaw	Richmond	2257WQPWRS11549
424	Us Army Joint Base Myer-Henderson Hall Firing Range (Part)	0	204 Lee Ave	Fort Myer	Arlington	2221WSRMJ24LEE
425	Madison Wood Preservers Inc.	0	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
426	Quarles Petroleum Inc Harrisonburg Bulk Plant	0	1006 W Market St	Harrisonburg	Harrisonburg (City)	22801QRLSP1006W
427	Creative Playthings Ltd.	0	859 Industrial Dr	Emporia	Greensville	23847CRTVP859IN
428	Titan Virginia Ready-Mix LLC	0	1408 Holland Road	Suffolk	Suffolk (City)	2343WTTNVR148HL
429	Elizabeth River Combustion Turbine	0	2837 S Military Hwy	Chesapeake	Chesapeake (City)	23323CMMNW2837S

*Virginia TRI Report – Summary of Data  
from 2016 Facility Reports (issued March 2018)*

## ***Appendix I-1***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Releases (lbs)</b>	<b>Physical Street Address</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
	Station					
430	Ruffin Creek Properties LLC	0	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
431	Electronic Instrumentation & Technology LLC	0	108 Carpenter Dr	Sterling	Loudoun	20164LCTRN108CA
432	Eit South	0	350 Slayton Avenue	Danville	Danville (City)	2454WLCTRN35SLA
433	Eaton Corporation - Williamsburg Manufacturing	0	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
434	Tenneco Walker Manufacturing Co	0	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
435	Culpeper Wood Preservers	0	15487 Braggs Corner Rd	Culpeper	Culpeper	22701CLPPROUTE
436	Trex - Virginia Manufacturing Operations	0	3229 Shawnee Drive	Winchester	Frederick	2260WTRXWN3229S
437	Craft Machine Works	0	2102 48Th St	Hampton	Hampton (City)	23661CRFTM21024
438	Quarles Petroleum Inc. Winchester Bulk Plant	0	779 Smithfield Ave	Winchester	Frederick	22601QRLSP779SM
439	Quarles Petroleum Inc. Manassas Bulk Plant	0	8001 Wellingford Dr	Manassas	Prince William	20109QRLSP8001W
440	Toray Plastics (America) Inc	0	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO

## ***Appendix I-1***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Releases (lbs)</b>	<b>Physical Street Address</b>	<b>Post Office City</b>	<b>Actual Physical County or Independent City</b>	<b>Facility ID</b>
441	Quarles Petroleum Inc. Front Royal Bulk Plant	0	195 Commerce Ave	Front Royal	Warren	22630QRLSP195CO
442	Continental Automotive Systems Inc	0	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
443	Mapei Corp	0	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
444	Dominion Remington Power Station	0	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L



**Appendix I-2 - 2016 VA TRI Facility Ranking  
By On-Site Management**

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

**APPENDIX I-2  
2016 VA TRI  
FACILITY RANKING BY ON-SITE MANAGEMENT  
(Excludes Dioxin and Dioxin-like Compounds)**

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
1	Honeywell International Colonial Heights Plant	332,199,151	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5
2	Hercules Incorporated	319,659,156	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
3	Bae Systems, Ordnance Systems Inc	39,192,879	Radford Army Ammunition Plant 4050 Peppers Ferry R	Radford	Montgomery	24141RDFRDPOBOX
4	Ingevity Virginia Corporation	25,484,580	958 East Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
5	International Paper Franklin Mill	18,249,345	34040 Union Camp Dr	Franklin	Isle of Wight	23851NNCMPHIGHW

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
6	Axalta Coating Systems LLC-Front Royal Plant	11,044,075	7961 Winchester Rd	Front Royal	Warren	22630DPNTFPOBOX
7	George'S Chicken LLC	6,026,966	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFRRTE42
8	Tyson Farms Inc-Temperanceville	4,404,148	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
9	Basf Corp	4,312,993	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
10	Westrock Cp, LLC	4,099,400	1901 Main St	West Point	King William	23181CHSPK19THM
11	Clover Power Station	3,563,000	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
12	Virginia City Hybrid Energy Center	3,337,000	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R
13	Advansix Inc Hopewell Plant	3,213,434	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
14	Wolverine Advanced Materials	2,489,459	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S
15	Intertape Polymer Corp	2,338,796	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
16	Danchem Technologies Inc	2,199,648	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
17	Bwxt Nuclear Operations Group, Inc.	1,970,442	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCKMTATH
18	Smithfield-Smithfield Facility (North)	1,892,069	601 N Church St	Smithfield	Isle of Wight	23430GWLTNHIGHW
19	Arkema Inc	1,776,535	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI
20	Cpfilms - Plant Ii	1,554,700	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
21	Micron Technology Inc.	1,513,000	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G
22	Cpfilms, Inc.	1,391,165	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
23	Dynax America Corp	1,179,120	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
24	Koppers Inc (Roanoke)	1,159,803	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
25	Wolverine Advanced Materials	1,097,310	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
26	O'Sullivan Films Inc	941,007	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
27	Celanese Acetate LLC - Celco P Lant	924,693	3520 Virginia Ave	Narrows	Giles	24124HCHSTR460
28	Birchwood Power Facility	842,076	10900 Birchwood Dr	King George	King George	22547BRCHW10900
29	Mehler Engineered Products	792,976	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
30	Tyson Farms Inc. - Processing Facility	746,182	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
31	Ardagh Metal Packaging USA Inc	670,000	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL
32	Georgia-Pacific Big Island Mill	649,954	9363 Lee-Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW
33	Perdue Farms Accomac Processing Plant	643,780	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
34	Dupont Teijin Films	572,739	3600 Discovery Dr	Chester	Chesterfield	23860CMRCSBERMU
35	Spruance Genco LLC	523,310	5001 Commerce Rd	Richmond	Richmond (City)	23234CGNTR5001C
36	Huber Engineered Woods LLC	512,603	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRT3HW

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
37	Green Plains Hopewell LLC	458,337	701 S 6Th Ave	Hopewell	Prince George	2386WPPMTT71S6T
38	Greif Packaging LLC	412,616	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE
39	Vpgc LLC Hinton Facility	406,971	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
40	Sterilization Services of Virginia	363,858	5674 Eastport Blvd	Richmond	Richmond (City)	23231STRLZ5674E
41	Georgia-Pacific Wood Products LLC - Brookneal Osb	339,000	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW
42	Merck Sharp & Dohme Corp.	320,690	2778 Se Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
43	Wwf Operating Co	311,460	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
44	Toray Plastics (America) Inc	299,364	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
45	New Market Poultry LLC	279,100	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD
46	Philip Morris USA Park 500 Site	248,383	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
47	U.S. Amines (Portsmouth) LLC	127,773	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E
48	Westrock Cp, LLC	121,734	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
49	Wako Chemicals USA Inc	120,500	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
50	General Shale Brick Inc Plant 35 & 36	116,519	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
51	Dupont Spruance Plant	114,373	U.S. Hwy 1 At Cogbill Rd	Richmond	Chesterfield	23234DPNTSUSHIG



## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
52	Cpfilms Inc-Plant 1	112,000	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
53	Philip Morris USA Commerce Road Site	110,715	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
54	Yorktown Power Station	107,000	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W
55	Hp Hood LLC	104,207	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
56	Alliant Techsystems Operations LLC (New River Energetics)	102,169	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
57	Invista Sa RI-Waynesboro Facility	73,000	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON
58	Sabra Dipping Co LLC	66,412	15900 Sabra Way	Colonial Heights	Chesterfield	2383WSBRDP159SA

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
59	Azz Galvanizing-Bristol	65,441	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN
60	Land-O-Sun Dairies LLC (Db a Pet Dairy) Richmond	65,408	1505 Robin Hood Rd	Richmond	Richmond (City)	23220RCHFD1505R
61	Millercoors-Shenandoah	61,784	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCROUTE
62	Canon Virginia Inc	60,396	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
63	Mecklenburg Power Station	55,900	204 Cogen Dr	Clarksville	Mecklenburg	23927MCKLN204CO
64	George'S Foods, LLC. Processing Plant	52,030	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
65	Catalina Cylinders Inc	48,240	2400 Aluminum Ave	Hampton	Hampton (City)	23666CTLNC2400A

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
66	Viasystems Technologies Corp LLC	46,539	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
67	US Navy Defense Fuel Support Point Craney Island	44,611	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
68	Shamrock Foods Dairy Div Verona Virginia	41,319	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
69	Cerro Fabricated Products Inc	40,448	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR
70	Howmet Castings & Services Inc	37,647	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONEH
71	Redland Brick Inc- Lawrenceville Plant	36,428	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
72	Tecton Products LLC	32,494	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
73	Evonik Industries	27,479	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
74	Qg Printing Ii Corp	27,288	160 Century Ln Stonewall Ind Us Trial Park	Winchester	Frederick	22603QBCRW16CEN
75	Cpfilms Inc-Axton Facility	27,193	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S
76	Georgia Pacific Wood Products LLC Emporia Plywood	23,000	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS
77	Possum Point Power Station	21,300	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000
78	Carry-On Trailer Corp	20,040	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN
79	Marva Maid Dairy	17,987	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
80	Accellent	17,146	200 S. Yorkshire Street	Salem	Roanoke	24153NBLMT200SY
81	Noble-Met LLC A Subsidiary of Lake Region Medical	17,146	200 S Yorkshire St	Salem	Roanoke	24153NBLMT200SY
82	Volvo Group North America, LLC	14,893	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE
83	Pilgrim'S Pride Corp Broadway Facility	14,107	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
84	Hubbell Lighting Inc	13,757	2000 Electric Way	Christiansburg	Montgomery	24073HBBLL2000E
85	Westover Dairy	10,948	2801 Fort Ave	Lynchburg	Lynchburg (City)	24501WSTVR2801F

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
86	US Navy Defense Fuel Support Point Yorktown Fuels	10,176	Yorktown Fuel Terminal	Yorktown	York	23690SNVYDYRKTW
87	Lsc Communications Strasburg Div	8,976	One Shenandoah Valley Dr	Strasburg	Shenandoah	22657SHNNDROUTE
88	Asig Fueling Operations Wash Dulles International Airport	7,725	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD
89	Qg Printing Ii Corp	7,622	7619 Doane Dr	Manassas	Manassas (City)	22110TRSRC7619C
90	US Navy Naval Air Station Oceana Base	3,420	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
91	Kinder Morgan Transmix Company, LLC	3,379	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
92	Eternal Technology Corp	2,534	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC
93	Pre Con Inc	2,089	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP
94	Virginia Transformer Corp	975	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
95	Virginia Transformer Corp.	960	220 Glade View Dr Ne	Roanoke	Roanoke	24012VRGNT220GL
96	Aquatic Co	614	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPPOBOX

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## ***2016 Toxics Release Inventory***

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97	US Navy Naval Station Norfolk Range	400	1530 Gilbert St	Norfolk	Norfolk (City)	23511NVLBS1530G
98	Grottoes Plastics Plant	282	149 Grand Caverns Drive	Grottoes	Augusta	24441RYNLDCAVER
99	Grottoes Plastics Plant	282	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER
100	Owens-Brockway Glass Container Inc Plant 26	127	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
101	Capital Concrete Inc.	83	400 Stapleton St	Norfolk	Norfolk (City)	2350WCPTLC4STAP
102	US Navy Joint Expeditionary Little Creek Range	68	2600 Tarawa Ct Suite 100	Norfolk	Norfolk (City)	23521SDDSN2600T
103	Manassas Broad Run Ready Mix Concrete	11	9321 Developers Drive	Manassas	Prince William	2010WMNSSS9321D



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## ***2016 Toxics Release Inventory***

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104	Bkep Materials, LLC -- Newport News Va	1	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
105	US Army National Guard Fort Pickett (Ranges)	0	US Pfo Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
106	Fiberglass Engineering Co	0	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
107	Fleetwood Homes of Virginia Inc 19-2	0	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA
108	Flint Group Na Corp	0	106 Triangle Dr	Weyers Cave	Augusta	24486CPTLPSTATE
109	Foot Levelers Inc.	0	518 Pocahontas Ave	Roanoke	Roanoke (City)	2401WFTLV518PC

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110	Fisher Scientific International Mtn Diagnostics Plant	0	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
111	Flowserve Corp Lynchburg Va	0	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
112	Flowserve US Inc	0	3900 Cook Blvd	Chesapeake	Chesapeake (City)	23323NGRSL3900C
113	Federal-Mogul Corp	0	300 Industrial Park Rd Se	Blacksburg	Montgomery	24060FDRLMRT460
114	Falmouth Ready Mix Concrete	0	301 Warrenton Road	Falmouth	Stafford	2240WFLMTH31WAR
115	Everbrite LLC	0	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
116	Ennis-Flint Richmond	0	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
117	Elkay Wood Products Co	0	2000 Cane Creek Pkwy	Ringgold	Pittsylvania	24586YRKTW2CANE

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118	Elizabeth River Combustion Turbine Station	0	2837 S Military Hwy	Chesapeake	Chesapeake (City)	23323CMMNW2837S
119	Electronic Instrumentation & Technology LLC	0	108 Carpenter Dr	Sterling	Loudoun	20164LCTRN108CA
120	Eit South	0	350 Slayton Avenue	Danville	Danville (City)	2454WLCTRN35SLA
121	Eaton Corporation - Williamsburg Manufacturing	0	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
122	Virginia Marble Manufacturers Inc	0	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX

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123	Virginia Marble Manufacturers Inc	0	Corner of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE
124	Doswell Lp	0	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098
125	Dominion Remington Power Station	0	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
126	Virginia Concrete Dulles Plant	0	44866 Old Ox Road	Sterling	Loudoun	22170VRGNC44866
127	Electroplate-Rite Corp	0	5529 Lee Hwy	Dublin	Pulaski	24084LCTRPUSRTE
128	Hapco	0	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
129	Graham-White Manufacturing Co.	0	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C

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130	Great Southern Wood - Va, Inc.	0	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH
131	Virginia Concrete Shirlington Plant	0	2651 Shirlington Road	Arlington	Arlington	22206VRGNC2651S
132	Hutchinson Sealing Systems Inc	0	1150 S Third St	Wytheville	Wythe	24382KNGST1150S
133	Virginia Concrete Shirlington Plant	0	2651 Shirlington Rd	Arlington	Arlington	22206VRGNC2651S
134	Greystone of Virginia Inc	0	7992 Richmond Rd	Toano	James City	23168GRYST7992R
135	Griffin Pipe Products Co	0	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS
136	Ge Alstom Richmond Service Center	0	1200 Willis Rd	Richmond	Chesterfield	23237LSTMP1200W

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137	Huntington Ingalls Incorporated	0	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
138	Virginia Concrete Spotsylvania Plant	0	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
139	Harris Corp - Night Vision	0	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P
140	Virginia Concrete Leesburg Plant	0	659 Builders Ln	Ashburn	Loudoun	2207WVRGNC659BU
141	Hunt Country Propane	0	535 Jack Enders Blvd	Berryville	Clarke	2261WHNTCN535JA
142	Hirschfeld Industries Bridge, LLC	0	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I
143	Virginia Concrete Falls Church Plant	0	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G

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144	Virginia Concrete Gainesville Plant	0	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI
145	Hoover Treated Wood Products, Inc	0	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
146	Howell Metal Co	0	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE
147	Griffith Energy Services Inc- Berryville	0	618 E Main St	Berryville	Clarke	22611CLRKC618EM
148	General Shale Brick Inc Plant 28	0	7164 Lee Hwy	Atkins	Smyth	24354GNRLSRTE4B
149	Gala Industries Inc.	0	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
150	Gcp Applied Technologies, Inc	0	1101 International Pkwy	Fredericksburg	Stafford	22406WRGRC1101I

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151	Virginia Concrete Dumfries Plant	0	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
152	George'S Foods LLC Feed Mill	0	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
153	Ge Drives & Controls	0	1501 Roanoke Blvd	Salem	Salem (City)	24153DRVSY1501R
154	International Cold Storage	0	5678 Heards Mountain Rd	Covesville	Albemarle	22931NTRNTRROUTE
155	Gea Systems DbA LLC (DbA LLC Dowty Propellers)	0	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
156	Gemini-Farmville	0	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU
157	Gordonsville Power Station	0	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE
158	General Electric	0	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N



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159	Gilmer Industries Inc	0	560 Stone Spring Rd	Harrisonburg	Harrisonburg (City)	22801GLMRN560ST
160	Virginia Concrete Edsall Road Plant	0	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
161	Virginia Concrete Woodbridge Plant	0	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
162	Georges Family Farms, LLC Mt Jackson Feed Mill	0	560 Caverns Rd	Mount Jackson	Shenandoah	22844HLLYFSTATE
163	Dominion Chemical Co Inc	0	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
164	Industrial Chemicals Inc	0	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B

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165	Iac-Strasburg,LLC	0	806 E Queen St	Strasburg	Shenandoah	22657TMTVNEASTQ
166	Virginia Concrete Sterling Plant	0	44866 Old Ox Rd	Sterling	Loudoun	2016WVRGNC44866
167	Forum Energy Technologies-Syntech	0	7371 Lockport Pl	Lorton	Fairfax	2207WSYNTC7371L
168	General Dynamics-Ots, Inc.	0	150 Johnston Rd	Marion	Smyth	24354BRNSW150JO
169	Bear Garden Generating Station	0	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
170	Atlantic Pole & Piling - Newsoms	0	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTECRTE67
171	Wood Preservers Inc	0	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE

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172	Bae Systems Information & Electronic Systems Integration I	0	9300 Wellington Rd	Manassas	Prince William	20110BSYSN9300W
173	Bae Systems Norfolk Ship Repair	0	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
174	Wheelabrator Abrasives Inc	0	1 Abrasive Ave	Bedford	Bedford	24523WHLBR1ABRA
175	Ball Advanced Aluminum Technologies Corp	0	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE
176	Ball Metal Beverage Container Corp	0	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P

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177	Banker Steel Company, LLC	0	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
178	Bondcote Corp	0	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
179	Bassett Plant 11	0	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
180	Associated Asphalt Bristol, LLC	0	10 Spurgeon Lane	Bristol	Bristol (City)	2420WSSCTD1SPUR
181	Bear Island Paper Wb LLC	0	10026 Old Ridge Rd	Ashland	Hanover	23005BRSLNPOBOX
182	Bellemeade Power Station	0	1860 Commerce Rd	Richmond	Richmond (City)	23224BLLMD1860C
183	Bellwood Printing Plant	0	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
184	Bingham & Taylor	0	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
185	Bleachtech LLC	0	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES

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186	Blue Ridge Fiberboard	0	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
187	Blue Ridge Solvents & Coatings	0	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
188	Blue Ridge Wood Preserving Inc.	0	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
189	Continental Automotive Systems Inc	0	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
190	Banker Steel Company, LLC	0	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA
191	American Gfm Corp	0	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
192	Abb Inc	0	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
193	Accutec Blades, Inc.	0	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR

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194	Aerccom Inc	0	3301 Rosedale Ave Ste D	Richmond	Richmond (City)	23230RCCMN33RSE
195	Afeta Camp Peary	0	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
196	Agc Flat Glass Na Abingdon Plant	0	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
197	Akzo Nobel Coatings Inc	0	2837 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015RLNCN2837R
198	Aleris Rolled Products Inc	0	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
199	Allied Aviation Fueling Co Inc	0	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
200	Altec Industries, Inc.	0	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU

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201	Associated Asphalt Roanoke, LLC	0	2677 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015SSCTD2677R
202	American Buildings Company-La Crosse	0	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
203	Associated Asphalt Hopewell LLC	0	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT
204	Amsted Rail Co Inc	0	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
205	Anchor An Oldcastle Co	0	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
206	Anheuser-Busch LLC	0	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
207	Appalachian Plastics Inc.	0	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX

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208	Arbortech Forest Products, Inc.	0	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR
209	Yokohama Tire Manufacturing Virginia LLC	0	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
210	Argos Ready Mix Bryan Park Concrete Plant	0	4607 Racrete Rd	Richmond	Henrico	23230RDYMX457RA
211	Arkema Inc Franklin Plant	0	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
212	Boxley Concrete Products of Va Inc Roanokeplant	0	3830 Blue Ridge Dr	Roanoke	Roanoke (City)	24019BXLYC383BL
213	Amelia Lumber Co Inc	0	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951



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214	Kyanite Mining Corp Mullite Plant	0	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15
215	Colonial Circuits Inc.	0	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
216	Colonna'S Shipyard Inc	0	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
217	Columbus Mckinnon Corp	0	22364 Jeb Stuart Hwy	Damascus	Washington	24236CLMBSRTE1B
218	Commonwealth Galvanizing	0	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
219	Concrete Pipe & Precast LLC Chesapeake Plant	0	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
220	Concrete Pipe & Precast LLC- Ashland Precast Plant	0	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI

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221	Concrete Pipe & Precast LLC- Hanover Pipe Plant	0	10350 Design Rd	Ashland	Hanover	2300WMRCST135DE
222	Concrete Pipe & Precast LLC- Harrisonburg Precast Plant	0	210 Stone Spring Rd	Harrisonburg	Rockbridge	2280WVLLYB21STN
223	Bohler Uddeholm Corporation	0	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
224	Conn-Weld Ind Inc	0	New Bern Rd State Rd 682	Dublin	Pulaski	24084CNNWLNEWBE
225	Vpgc LLC Broadway Feedmil	0	410 S Main St	Broadway	Rockingham	22815WMPLRRT42
226	Consolidated Glass & Mirror	0	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
227	Ir Engraving LLC	0	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L

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228	Cox Wood of Virginia	0	2960 Cox Rd	Blackstone	Nottoway	23824TYLRRHIGHW
229	Craft Machine Works	0	2102 48Th St	Hampton	Hampton (City)	23661CRFTM21024
230	Creative Playthings Ltd.	0	859 Industrial Dr	Emporia	Greensville	23847CRTVP859IN
231	Culpeper Wood Preservers	0	15487 Braggs Corner Rd	Culpeper	Culpeper	22701CLPPRRROUTE
232	Daikin Applied	0	207 Laurel Hill Rd	Verona	Augusta	24482SNYDRRT612
233	Virginia Mirror Co Inc	0	300 S Moss St	Martinsville	Henry	24112VRGNM300MO
234	Davis-Frost Inc	0	3416 Candler's Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
235	Concrete Pipe & Precast LLC-Salem #1 Plant	0	2000 Salem Industrial Dr	Salem	Salem (City)	24153HNSNP2SALE
236	Carry-On Trailer Corp	0	617 Harry Hogan Rd	Callao	Northumberland	22435CRRYN617HA

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237	Branscome Inc-Norfolk Westminster	0	3425 Westminster Ave	Norfolk	Norfolk (City)	23504BRNSC3425W
238	Branscome-Hampton	0	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
239	Branscome-Lee Hall	0	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
240	Bren Mar	0	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
241	Bridgewater Processing Plant Facility #08	0	100 Quality St.	Bridgewater	Rockingham	22812PRDNC100QU
242	Bush Center For Intelligence (Cia)	0	1000 Colonial Farm Rd	Mc Lean	Fairfax	2210WCHDQRRUTES

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243	Webb Enterprises LLC American Mirror	0	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
244	Cameron Chemical Inc.	0	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
245	Cargill Meat Solutions Inc	0	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
246	Cmc Rebar	0	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
247	Carpenter Co Richmond Plant	0	2400 Jefferson Davis Hwy	Richmond	Richmond (City)	23234RCRPN2400J
248	Cmc Rebar	0	300 Smi Way	Farmville	Prince Edward	23901SMRBR300SM
249	Cgi Federal Inc	0	12601 Fair Lakes Cir	Fairfax	Fairfax	2203WCGFDR1261F
250	Chantilly Ready Mix Concrete	0	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232

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251	Chaparral (Va) Inc	0	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
252	Chemetrics Inc	0	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C
253	Chemsolv Inc	0	1140 Industry Ave Se	Roanoke	Roanoke (City)	24013CHMSL1140I
254	Chemtreat Inc	0	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
255	Chesterfield Power Station	0	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
256	Church & Dwight Co Inc	0	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
257	Degesch America Inc	0	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR
258	Cargill Turkey Production LLC	0	1 Kratzer Rd	Harrisonburg	Rockingham	22802RCCFR1KRAT

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## ***2016 Toxics Release Inventory***

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259	Superior Concrete Inc-Harrisonburg	0	1526 County Club Rd	Harrisonburg	Rockingham	2280WSPRRC1526C
260	Rps Composites Virginia, Inc.	0	211 E 4Th St	Front Royal	Warren	22630SHNND210E4
261	Steelfab of Virginia Inc	0	1510 Reese St	Emporia	Greensville	23847STFBF1510R
262	Stella Jones Corp-Goshen Facility	0	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
263	Valcom Inc	0	5614 Hollins Rd	Roanoke	Roanoke	24019VLCMN5614H
264	Stihl Inc	0	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
265	Strongwell Corp Bristol	0	400 Commonwealth Ave	Bristol	Bristol (City)	24203MRRSN400CO
266	Strongwell Corp Highlands Div	0	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770

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## ***2016 Toxics Release Inventory***

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267	Strongwell Corporation-Bristol	0	400 Commonwealth Ave.	Bristol	Washington	24203MRRSN400CO
268	Sun Chemical Corp	0	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
269	Stafford Plant	0	169 Wyche Rd	Stafford	Stafford	2255WSTFFR169WY
270	Super Radiator Coils	0	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO
271	St Tissue LLC	0	34050 Union Camp Dr	Franklin	Isle of Wight	2385WSTTSS345UN
272	Superior Concrete Materials Inc. - Dulles	0	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
273	Taylor & Boody Inc.	0	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE
274	Tcs Materials Chester Plant	0	12020 Old Stage Road	Chester	Chesterfield	2383WTCSMT122LD



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275	Tcs Materials Newport News	0	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE
276	Tcs Materials Richmond Plant	0	2100 Deepwater Terminal Road	Richmond	Richmond (City)	2322WTCSMT21DEE
277	Te Connectivity	0	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
278	Tempur Production USA Inc	0	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
279	Tenneco Walker Manufacturing Co	0	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
280	The Goodyear Tire & Rubber Co.	0	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
281	Sunlite Plastics Inc.	0	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE

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282	Slocum Adhesives Corp	0	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
283	Kmx Chemical Corp	0	30474 Energy Dr	New Church	Accomack	23415NWCHRRT709
284	Ruffin Creek Properties LLC	0	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
285	S.L. Williamson Co. Inc. Shop	0	1230 River Road	Charlottesville	Albemarle	2290WSLWLL123RI
286	Safety-Kleen Systems Chesapeake (Cpk)	0	4545 Bainbridge Blvd	Chesapeake	Chesapeake (City)	23320SFTYK4545B
287	Safety-Kleen Systems Chester (Cva)	0	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
288	Safety-Kleen Systems Manassas (Man)	0	11520 Balls Ford Rd	Manassas	Prince William	22110SFTYK11520

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289	Safety-Kleen Systems Vinton (Roa)	0	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
290	Samuel Pressure Vessel Group - Lebanon	0	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM
291	Sandvik Mining & Construction Co	0	15020 Ind Us Trial Park Rd	Bristol	Washington	24201SNDVK1000I
292	Steel Dynamics Inc Roanoke Bar Div	0	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE
293	Sicpa Securink Corp	0	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R
294	Titan Virginia Ready-Mix LLC-Campostella Plant	0	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K

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## ***2016 Toxics Release Inventory***

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295	Smith Mountain Industries, Inc.	0	1000 Dillard Dr	Lynchburg	Lynchburg (City)	2455WSMTHM1DILB
296	Smith Mountain Industries, Inc.	0	200 Toy Lane	Blairs	Pittsylvania	2455WSMTHM1DILL
297	Valmont-Virginia Galvanizing Inc	0	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
298	Solenis LLC	0	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
299	Sonoco Richmond	0	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
300	South Atlantic Galvanizing LLC	0	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
301	Southern Graphic Systems LLC	0	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
302	Spotsylvania Plant	0	8520 Indian Hills Ct.	Fredericksburg	Spotsylvania	2240WSPTSY852IN

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303	Valley Proteins Inc-Winchester Facility	0	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
304	Schrader-Bridgeport International	0	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
305	US Coast Guard Training Center Yorktown	0	1 US Coast Guard Training Center	Yorktown	York	23690SCSTGENDOF
306	U.S. Navy Fleet Combat Training Center Atl Dam Neck Base	0	1912 Regulus Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
307	U.S. Navy Norfolk Naval Shipyard	0	Intersection of Effingham St & George Washington H	Portsmouth	Portsmouth (City)	23709SDDSNINTER

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308	United States Gypsum Co	0	1424 S Main St	Norfolk	Norfolk (City)	23523NTDST1001B
309	Univar USA Inc Chester Facility	0	1001 Old Bermuda Hundred Rd	Chester	Chesterfield	23836PRLLM1001O
310	Upaco Adhesives Inc	0	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
311	US Army Fort Ap Hill Ranges (Part)	0	19952 North Range Rd	Bowling Green	Caroline	22427SRMYF18902
312	US Army Garrison Fort Belvoir	0	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYP943JA
313	US Army Joint Base Myer-Henderson Hall Firing Range (Part)	0	204 Lee Ave	Fort Myer	Arlington	2221WSRMYPJ24LEE

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314	US Army National Guard Ctc Camp Pendleton (Ranges)	0	203 Red Horse Drive	Virginia Beach	Virginia Beach (City)	2345WCTCCM23RED
315	Tidewater Wood Products, LLC	0	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
316	US Coast Guard Base Portsmouth	0	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
317	U.S. Dod, USAF, Joint Base Langley Eustis - Langley AFB	0	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC

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318	US Defense Logistics Agency Defense Supply Center Richmond	0	8000 Jefferson Davis Hwy	Richmond	Chesterfield	23297DFNSG8000J
319	US Dhs Mt Weather Eoc	0	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
320	US Dod Warrenton Training Center Station C Range	0	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S
321	US Dod, Warrenton Training Center Station B	0	7471 Bear Wallow Road	Warrenton	Fauquier	2018WSDDSR7471B



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322	US Marine Corps Base Quantico Range Complex	0	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
323	US Navy Joint Expeditionary Fort Story Base	0	300 Guadalcanal Rd	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD
324	US Navy Yorktown Naval Weapons Station Base Range	0	Rt 238	Yorktown	York	2369WSNVYYRUTE2
325	US Penitentiary Lee	0	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI

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326	US/Navy Naval Support Activity Northwest Annex Range	0	1320 Nw Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
327	US Cbp Canine Training Facility Firing Range #Va0040	0	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA
328	Tms International, LLC	0	25805 Hofheimer Way	Petersburg	Dinwiddie	23803MSDVT2585H
329	Rock-Tenn Co	0	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
330	Titan Virginia Ready-Mix LLC-Centreville Plant	0	15718 Lee Hwy	Centreville	Fairfax	2202WTTNVR15718

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331	Titan Virginia Ready-Mix LLC-Clear Brook Plant	0	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
332	Titan Virginia Ready-Mix LLC-Dumfries Plant	0	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
333	Titan Virginia Ready-Mix LLC-Leesburg Plant	0	42105 Cochran Mill Rd	Leesburg	Loudoun	2017WTTNVR4215C
334	Titan Virginia Ready-Mix LLC-Oceana Plant	0	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA
335	Titan Virginia Ready-Mix LLC-Port Norfolk Plant	0	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA

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336	Titan Virginia Ready-Mix LLC-Springfield Plant	0	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
337	Titan Virginia Ready-Mix LLC-Stafford Plant	0	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
338	U.S. Nasa Gsfcc Wallops Flight Facility	0	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO
339	Titan Wheel Corp of Virginia	0	227 Allison Gap Rd	Saltville	Smyth	24370TDWHL227AL
340	U.S. Doj Fbi Training Academy	0	Mcb-4 Building 15-Fmu	Quantico	Stafford	22135SDJFBMCB4B
341	Trelleborg Marine Systems USA, Inc.	0	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA

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342	Trex - Virginia Manufacturing Operations	0	3229 Shawnee Drive	Winchester	Frederick	2260WTRXWN3229S
343	Trident Americas	0	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
344	Trim Systems	0	320 Newbern Rd	Dublin	Pulaski	24084TRMSY320NE
345	Tyson Farms Inc. - Feed Mill	0	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY
346	Utility Trailer Mfg. Co.	0	124 Mountain Empire Road	Atkins	Smyth	24311TLTYTSTATE
347	Utility Trailer Manufacturing Co	0	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M
348	U.S Navy Cheatham Annex Base	0	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
349	U.S. Army Garrison Fort Lee Va - Ranges	0	825, 19Th Street, Bldg 6005	Fort Lee	Prince George	23801SRMYC3901A

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350	Titan Virginia Ready-Mix LLC	0	1408 Holland Road	Suffolk	Suffolk (City)	2343WTTNVR148HL
351	Titan Virginia Ready-Mix LLC-Sterling Plant	0	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963
352	Mica Co of Canada Inc	0	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE
353	Rti Martinsville Inc	0	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
354	Mechanicsville Concrete LLC-Airport Plant (Oakleys Lane)	0	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
355	Mechanicsville Concrete LLC-Chesterfield Plant	0	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA

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356	Mechanicsville Concrete LLC-Petersburg Plant	0	26317 Simpson Rd	Petersburg	Dinwiddie	2380WMCHNC26317
357	Medeco Security Locks Inc.	0	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
358	Abb Inc	0	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE
359	Virginia Concrete Co Inc-Chantilly	0	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
360	Zenith Fuel Systems LLC	0	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I
361	Metalsa Roanoke Inc.	0	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI
362	Masco Cabinetry LLC	0	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA

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363	Metl-Span, A Division of Nci Group, Inc.	0	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q
364	Masco Cabinetry	0	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
365	Micrometrics System	0	225 Jeb Stuart Hwy	Meadows of Dan	Patrick	24120MCRMT2900W
366	Mitsubishi Chemical Composites America	0	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
367	Modine Manufacturing Co	0	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M
368	Mondelez Global LLC	0	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S
369	Moog Inc.	0	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N
370	Morgan Lumber Company, Inc.	0	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE



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371	Motiva Fairfax Terminal	0	3800 Pickett Rd	Fairfax	Fairfax (City)	22031FRFXT3800P
372	Munters	0	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
373	Murphy-Brown LLC Waverly Feed Mill	0	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404
374	Metl-Span A Div of Nci Group Inc	0	1703 Ruffin Mill Rd	Colonial Heights	Colonial Heights (City)	2383WMTLSP173RU
375	Mennel Milling Co of Virginia	0	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B
376	James River Cogeneration Co Inc	0	912 E Randolph Rd	Hopewell	Hopewell (City)	23860JMSRV912ER
377	Jci Jones Chemicals Inc.	0	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
378	Jewell Coke Co Lp	0	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46

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379	Johns Manville Corp Hamilton Plant	0	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
380	Joint Base Langley Eustis-Eustis (Jble-Eustis)	0	705 Washinton Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE
381	Jti Leaf Services (US) LLC	0	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
382	Kaiser Aluminum Fabricated Products LLC	0	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R
383	Kik (Virginia) LLC	0	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL
384	King George Plant	0	13250 James Madison Parkway	King George	King George	2248WKNGGR1325J
385	Mastic Home Exteriors Stuarts Draft	0	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90

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386	Kinyo Virginia Inc	0	290 Enterprise Dr	Newport News	Newport News (City)	23603KNYVR290EN
387	Nationwide Homes Inc.	0	1100 Rives Rd	Martinsville	Henry	24112NTNWD100RI
388	Virginia Concrete Dulles Plant	0	44866 Old Ox Rd	Sterling	Loudoun	22170VRGNC44866
389	Utility Trailer Manufacturing Co	0	124 Mountain Empire Rd	Atkins	Smyth	24311TLTYTSTATE
390	Ladysmith Combustion Turbine Station	0	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
391	Lhoist Na of Virginia Inc Kimballton Area 1	0	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B

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392	Lsc Communications / Harrisonburg N	0	2347 Kratzer Rd	Harrisonburg	Rockingham	22801RRDNN1400K
393	Lsc Communications / Lynchburg	0	4201 Murray Pl	Lynchburg	Lynchburg (City)	24506MRDTH4201M
394	Madison Wood Preservers Inc.	0	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
395	Mapei Corp	0	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
396	Mar-Bal, Inc.	0	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
397	Kingspan Insulation LLC	0	172 Pactiv Way	Winchester	Frederick	22601MCFMPROUTE
398	Qpi Warsaw Bulk Plant	0	11549 Historyland Hwy	Warsaw	Richmond	2257WQPWRS11549

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399	Pascor Atlantic Corp	0	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
400	Pent Reservation	0	N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR
401	Vaughan-Bassett Furniture Co. Galax	0	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO
402	Perdue Farms Inc-Chesapeake Grain	0	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
403	Pilgrim'S Pride Corp Harrisonburg Feedmill	0	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
404	Pine Products Inc	0	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
405	Polynt Composites USA Inc.	0	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS

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406	Potomac Supply LLC	0	1398 Kinsale Rd	Kinsale	Westmoreland	22488PTMCROUTE
407	Pre Con, Inc.	0	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
408	Mw Manufacturers Inc	0	433 N Main St	Rocky Mount	Franklin	24151MWMNF433NM
409	Pugh Lubricants Ashland	0	10992 Leadbetter Rd	Ashland	Hanover	23005PGHLB1992L
410	Papco Oil Company	0	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
411	Qualichem Inc	0	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
412	Quarles Petroleum Inc Harrisonburg Bulk Plant	0	1006 W Market St	Harrisonburg	Harrisonburg (City)	22801QRLSP1006W
413	Quarles Petroleum Inc. Culpeper Bulk Plant	0	15427 Brandy Rd	Culpeper	Culpeper	22701QRLSP15427

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
414	Quarles Petroleum Inc. Front Royal Bulk Plant	0	195 Commerce Ave	Front Royal	Warren	22630QRLSP195CO
415	Quarles Petroleum Inc. Manassas Bulk Plant	0	8001 Wellingford Dr	Manassas	Prince William	20109QRLSP8001W
416	Quarles Petroleum Inc. Winchester Bulk Plant	0	779 Smithfield Ave	Winchester	Frederick	22601QRLSP779SM
417	Ready Mixed Concrete Co	0	4608 Racrete Rd	Richmond	Henrico	2323WMCHNC468RA
418	Rexnord Industries LLC	0	150 Johnson Dr	Stuarts Draft	Augusta	24477PTCMPRTS34
419	Roanoke Cement Co LLC	0	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
420	Prochem, Inc	0	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
421	Old Dominion Electric Co-Op Marsh Run Generation Facility	0	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
422	James Hardie Building Products Pulaski	0	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME
423	New Millennium Building Systems	0	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
424	Newington Concrete Plant	0	8413 Terminal Rd	Lorton	Fairfax	22122NWNGT8413T
425	Nibco of Virginia Inc.	0	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
426	Norcraft Companies	0	1 Millrace Dr	Lynchburg	Lynchburg (City)	24502STRMR1MILL
427	Nordson Xaloy Inc	0	102 Xaloy Way	Pulaski	Pulaski	24301XLYNC101XA



## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
428	Northrop Grumman Systems Corpo Ration	0	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
429	Northrop Grumman Systems Corporation	0	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
430	Novozymes	0	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES
431	Parker Hannifin Integrated Seals Div	0	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
432	Old Dominion Electric Co-Op Louisa Generation Facility	0	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
433	Parker Hannifin Integrated Sea Ls Division	0	3700 Mayflower Dr	Lynchburg	Campbell	24501WYNNS3700M
434	Oldcastle Precast Inc	0	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
435	Omega Protein Inc	0	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX
436	O-N Minerals (Chemstone) Strasburg Lime Plant	0	1696 Oranda Rd	Strasburg	Shenandoah	22657GLBLS1696O
437	O-N Minerals (Chemstone) Winchester Lime Plant	0	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
438	Onduline Na	0	4900 Ondura Dr	Fredericksburg	Fredericksburg (City)	22401NDLNN4900O
439	Veolia James River Plant	0	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B

## ***Appendix I-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>Facility Name</b>	<b>Total On-Site Management (lbs)</b>	<b>Physical Street</b>	<b>Post Office City</b>	<b>Actual Physical County Of Independent City</b>	<b>Facility ID</b>
440	Owens-Brockway Glass Container Inc Plant 29	0	State Rd	Ringgold	Pittsylvania	24586WNSBRSTATE
441	Pallet One of Virginia	0	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
442	Papco Inc	0	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
443	Mxi Environmental Services, LLC	0	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
444	Novozymes Biologicals Inc	0	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH

**APPENDIX J-1 - 2016 VA TRI Jurisdiction  
Ranking By On-Site Releases**

**APPENDIX J-1**  
**2016 VA TRI**  
**JURISDICTION RANKING BY ON-SITE RELEASES**  
**(Excludes Dioxin and Dioxin-like Compounds)**

<b>Rank</b>	<b>County or City</b>	<b>Total On-Site Release (Pounds)</b>	<b>Total Air Release (Pounds)</b>	<b>Total Land (Pounds)</b>	<b>Total Water Release (Pounds)</b>
1	Montgomery	12,233,317	747,292	0	11,486,024
2	Chesterfield	3,583,031	2,380,561	1,070,170	132,300
3	Hopewell (city)	3,443,506	3,323,809	0	119,697
4	Covington (city)	2,447,379	2,121,816	279,033	46,530
5	Buchanan	1,469,300	1,469,300	0	0
6	Isle of Wight	1,428,818	1,346,334	0	82,484
7	Halifax	1,306,330	585,341	717,181	3,808
8	Wise	1,146,953	211,350	935,603	0
9	King William	918,638	789,607	0	129,031
10	Hanover	818,705	767,786	0	50,919
11	Accomack	818,630	87,908	0	730,722
12	Henry	800,799	800,799	0	0
13	Campbell	511,458	86,707	4,240	420,510
14	James City	500,430	500,430	0	0
15	Bedford	444,657	373,591	55,506	15,560
16	Giles	360,396	270,704	24,866	64,825
17	Amherst	315,343	311,983	0	3,360
18	Chesapeake (city)	298,463	280,695	17,768	0
19	Shenandoah	270,267	121,997	204	148,067
20	Pittsylvania	258,209	258,209	0	0
21	York	252,095	220,577	7,543	23,975
22	Newport News (city)	250,838	236,617	13,401	821
23	Botetourt	162,239	159,877	2,341	20
24	Lynchburg (city)	152,023	151,920	0	103
25	Richmond (city)	147,830	147,432	0	398
26	Rockingham	124,616	53,768	3,435	67,413
27	Richmond	122,676	122,674	0	2

*Virginia TRI Report – Summary of Data  
from 2016 Facility Reports (issued March 2018)*

## Appendix J-1

## 2016 Toxics Release Inventory

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
28	Lunenburg	118,174	118,174	0	0
29	Washington	112,927	112,822	19	86
30	Arlington	109,085	108,726	0	360
31	Carroll	81,447	81,447	0	0
32	Nottoway	80,996	150	80,779	67
33	Prince William	68,955	47,136	11	21,808
34	Frederick	64,655	46,770	17,885	0
35	Roanoke (city)	53,208	51,917	0	1,291
36	Norfolk (city)	46,142	45,142	0	1,000
37	Augusta	45,928	32,900	0	13,027
38	Bristol (city)	35,160	35,160	0	0
39	Warren	33,906	33,742	164	0
40	Greensville	30,285	30,280	0	4
41	Southampton	28,641	28,571	0	70
42	Roanoke	27,192	27,159	0	32
43	Prince George	26,939	23,852	3,087	0
44	Virginia Beach (city)	23,092	11,321	11,771	0
45	Henrico	22,060	22,039	0	21
46	Portsmouth (city)	21,865	21,861	0	4
47	Fredericksburg (city)	21,124	21,124	0	0
48	Louisa	20,618	20,618	0	0
49	Smyth	19,808	17,908	1,900	0
50	Northumberland	18,192	18,014	0	178
51	Westmoreland	17,817	17,817	0	0
52	Culpeper	13,980	13,980	0	0
53	Galax (city)	12,288	12,288	0	0
54	Winchester (city)	10,417	10,417	0	0
55	Buckingham	10,123	10,123	0	0
56	Suffolk (city)	9,444	9,429	0	15
57	Loudoun	8,371	7,697	4	670
58	Rockbridge	7,626	7,626	0	0

## Appendix J-1

## 2016 Toxics Release Inventory

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
59	Fauquier	6,814	6,814	0	0
60	King George	6,055	6,055	0	0
61	Hampton (city)	4,789	4,770	0	19
62	Manassas (city)	3,489	3,489	0	0
63	Petersburg (city)	2,853	1,878	0	975
64	Pulaski	2,567	2,567	0	0
65	Fairfax (city)	2,029	2,029	0	0
66	Fairfax	1,583	414	650	519
67	Lee	1,197	1	1,196	0
68	Wythe	1,177	1,177	0	0
69	Dinwiddie	583	500	0	83
70	Danville (city)	371	264	0	107
71	Brunswick	364	364	0	0
72	Charlotte	348	10	338	0
73	Mecklenburg	330	326	0	4
74	Stafford	231	161	70	0
75	Spotsylvania	109	109	0	0
76	Russell	40	27	0	13
77	Caroline	39	0	0	38
78	Clarke	21	21	0	0
79	Colonial Heights (city)	16	16	0	0
80	Scott	10	10	0	0
81	Sussex	7	7	0	0
82	Buena Vista (city)	6	6	0	0
83	Salem (city)	5	3	0	2
84	Albemarle	2	2	0	0
85	Falls Church (city)	0	0	0	0
86	Prince Edward	0	0	0	0
87	Bland	0	0	0	0
88	Franklin	0	0	0	0

## ***Appendix J-1***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>County or City</b>	<b>Total On-Site Release (Pounds)</b>	<b>Total Air Release (Pounds)</b>	<b>Total Land (Pounds)</b>	<b>Total Water Release (Pounds)</b>
89	Patrick	0	0	0	0
90	Harrisonburg (city)	0	0	0	0
91	Amelia	0	0	0	0
92	Madison	0	0	0	0
93	Cumberland	0	0	0	0
94	Cumberland	0	0	0	0



**APPENDIX J-2 - 2016 VA TRI Jurisdiction  
Ranking By On-Site Management**

**APPENDIX J-2**  
**2016 VA TRI**  
**JURISDICTION RANKING BY ON-SITE MANAGEMENT**  
**(Excludes Dioxin and Dioxin-like Compounds)**

<b>Rank</b>	<b>County or City</b>	<b>Total On-Site Management (Pounds)</b>	<b>Total Energy Recovery On-Site (Pounds)</b>	<b>Total Recycled On-Site (Pounds)</b>	<b>Total Treated On-Site (Pounds)</b>
1	Chesterfield	333,324,092	2,534	1,064,349	975,634
2	Hopewell (city)	323,021,802	972,693	29,149	12,483,803
3	Montgomery	42,895,574	0	445,928	272,760
4	Covington (city)	25,484,580	485,140	0	0
5	Isle of Wight	20,141,414	0	0	584,210
6	Warren	11,343,439	0	11,263	53,632
7	Shenandoah	6,315,042	0	203,922	2,698
8	Pittsylvania	6,314,979	0	708,244	2,321
9	Accomack	5,047,928	0	0	0
10	Suffolk (city)	4,312,993	0	0	31,369
11	King William	4,099,400	0	0	0
12	Halifax	4,076,217	374	1,548,685	0
13	Henry	3,878,034	792,976	1,016,490	161,213
14	Wise	3,337,000	0	0	0
15	Campbell	2,309,442	0	2,562,023	20,490
16	Prince William	1,534,311	0	327,441	101,000
17	Botetourt	1,296,614	0	66,900	0
18	Roanoke	1,227,549	0	1,250,808	17,399
19	Rockingham	1,167,042	0	0	420,735
20	Richmond (city)	1,066,670	0	857,345	105,719
21	Winchester (city)	941,007	0	0	0
22	Giles	924,693	728,610	21	118
23	King George	842,076	0	0	0
24	Hanover	746,182	0	253,837	1,891
25	Roanoke (city)	670,000	0	3,532,455	24,900
26	Bedford	649,954	0	0	0
27	Prince George	458,337	0	0	0
28	Amherst	412,616	96,396	0	0

*Virginia TRI Report – Summary of Data  
from 2016 Facility Reports (issued March 2018)*

## Appendix J-2

## 2016 Toxics Release Inventory

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
29	Portsmouth (city)	172,384	0	4,590	79
30	Augusta	155,331	0	386,796	37,531
31	Frederick	131,495	0	0	89,511
32	York	117,176	0	35,610	0
33	Hampton (city)	85,887	0	108,974	316
34	Newport News (city)	78,384	0	159,227	76,553
35	Washington	65,441	0	998,203	700
36	Mecklenburg	55,900	0	28,928	0
37	Loudoun	54,264	0	188,370	42,085
38	Brunswick	36,428	0	0	0
39	Greensville	23,000	0	146,848	0
40	Westmoreland	20,040	0	1,550	0
41	Pulaski	14,893	0	28,907	0
42	Lynchburg (city)	10,948	0	194,825	4
43	Manassas (city)	7,622	0	0	0
44	Virginia Beach (city)	3,420	0	137	0
45	Petersburg (city)	2,089	0	338,285	0
46	Norfolk (city)	551	0	17,200	0
47	James City	127	0	4,570	1,736
48	Nottoway	0	0	0	0
49	Charlotte	0	0	0	0
50	Albemarle	0	0	270	0
51	Colonial Heights (city)	0	0	0	0
52	Culpeper	0	0	302,547	21
53	Chesapeake (city)	0	0	44,708	144
54	Cumberland	0	0	0	0

## Appendix J-2

## 2016 Toxics Release Inventory

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
55	Clarke	0	0	0	728
56	Amelia	0	0	0	0
57	Bristol (city)	0	0	345	0
58	Caroline	0	0	0	0
59	Buena Vista (city)	0	0	15,459	0
60	Buckingham	0	0	0	0
61	Buchanan	0	0	0	0
62	Danville (city)	0	0	428,819	0
63	Sussex	0	0	0	0
64	Arlington	0	0	0	452
65	Wythe	0	0	0	0
66	Bland	0	0	488,848	0
67	Carroll	0	0	0	0
68	Southampton	0	0	0	215,800
69	Prince Edward	0	0	0	0
70	Rockbridge	0	0	266,239	0
71	Patrick	0	0	0	0
72	Northumberland	0	0	500	0
73	Russell	0	0	1,147	0
74	Madison	0	0	0	0
75	Lunenburg	0	0	0	0
76	Louisa	0	0	0	0
77	Lee	0	0	0	0
78	Salem (city)	0	0	59,700	6
79	Fredericksburg (city)	0	0	0	0
80	Smyth	0	0	480,578	0
81	Dinwiddie	0	0	5,697,075	0
82	Spotsylvania	0	0	0	0
83	Henrico	0	0	51,507	4,151
84	Harrisonburg (city)	0	0	1,145,045	0
85	Stafford	0	0	40,527	0

## ***Appendix J-2***

## ***2016 Toxics Release Inventory***

<b>Rank</b>	<b>County or City</b>	<b>Total On-Site Management (Pounds)</b>	<b>Total Energy Recovery On-Site (Pounds)</b>	<b>Total Recycled On-Site (Pounds)</b>	<b>Total Treated On-Site (Pounds)</b>
86	Richmond	0	0	0	0
87	Galax (city)	0	0	0	50
88	Franklin	0	0	6,735	0
89	Fauquier	0	0	7,707	0
90	Falls Church (city)	0	0	0	0
91	Fairfax (city)	0	0	0	0
92	Fairfax	0	0	650	0
93	Scott	0	0	0	1,049
94	Scott	0	0	0	1,049